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OM protein - protein search, using sw model

Run on: April 7, 2006, 12:59:38 ; Search time 91.7626 Seconds  
(without alignments)

1247.624 Million cell updates/sec

Title: US-09-819-371-5

Perfect score: 1496

Sequence: 1 GSHSLRYPSTAVSRPGRGEP.....QRTYCHVQHEGLPQLLIRW 274

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867559 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867559

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA\_Main:  
1: /cggn2\_6/ptodata/1/pubaa/US07\_PUBCOMB.pep:  
2: /cggn2\_6/ptodata/1/pubaa/US08\_PUBCOMB.pep:  
3: /cggn2\_6/ptodata/1/pubaa/US09\_PUBCOMB.pep:  
4: /cggn2\_6/ptodata/1/pubaa/US10A\_PUBCOMB.pep:  
5: /cggn2\_6/ptodata/1/pubaa/US10B\_PUBCOMB.pep:  
6: /cggn2\_6/ptodata/1/pubaa/US11\_PUBCOMB.pep:  
\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1496	100.0	274	3 US-09-819-371-5	Sequence 5, Appli
2	1496	100.0	362	4 US-10-257-021-82	Sequence 82, Appli
3	1496	100.0	362	5 US-10-631-467-624	Sequence 624, Appli
4	1496	100.0	442	4 US-10-408-762A-1887	Sequence 1887, Appli
5	1491	99.7	677	5 US-10-450-763-57085	Sequence 57085, Appli
6	1489	99.5	362	3 US-09-819-371-4	Sequence 4, Appli
7	1311	87.6	271	3 US-09-925-301-1431	Sequence 1431, Appli
8	1221	81.6	362	5 US-10-631-467-728	Sequence 728, Appli
9	1205	80.5	366	5 US-10-287-432A-101	Sequence 1.01, Appli
10	1205	80.5	366	5 US-10-287-432A-162	Sequence 162, Appli
11	1205	80.5	366	5 US-10-387-432A-1257	Sequence 1257, Appli
12	1205	80.5	366	5 US-10-287-432A-1267	Sequence 1267, Appli
13	1196	79.9	362	5 US-10-287-432A-120	Sequence 120, Appli
14	1196	79.9	362	5 US-10-387-432A-1260	Sequence 1260, Appli
15	1193	79.7	365	5 US-10-741-600-941	Sequence 941, Appli
16	1184	79.1	326	4 US-10-360-880-7	Sequence 7, Appli
17	1184	79.1	338	4 US-10-741-601-380	Sequence 380, Appli
18	1184	79.1	338	4 US-10-741-601-388	Sequence 388, Appli
19	1184	79.1	338	5 US-10-741-600-1134	Sequence 1134, Appli
20	1184	79.1	338	5 US-10-741-600-1138	Sequence 1138, Appli
21	1184	79.1	338	5 US-10-482-029-110	Sequence 110, Appli
22	1184	79.1	343	4 US-10-741-600-1139	Sequence 1139, Appli
23	1184	79.1	343	5 US-10-741-600-1139	Sequence 1139, Appli
24	1183	79.1	365	5 US-10-287-432A-179	Sequence 179, Appli
25	1183	79.1	365	5 US-10-287-416A-1268	Sequence 1268, Appli
26	1175	78.5	365	4 US-10-741-601-325	Sequence 325, Appli
27	1175	78.5	365	4 US-10-741-601-326	Sequence 326, Appli

## ALIGNMENTS

RESULT 1  
US-09-819-371-5

; Sequence 5, Application US-09819371  
; Publication No. US0040053344A1

; GENERAL INFORMATION:

; APPLICANT: Egawa, Kohji  
; TITLE OF INVENTION: Cancer Cell-Specific HLA-F Antigen and a Diagnostic Method of Ca,  
; Using Thereof  
; FILE REFERENCE: 30815  
; CURRENT APPLICATION NUMBER: US-09/819,371  
; CURRENT FILING DATE: 2002-03-15  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5  
; LENGTH: 274  
; TYPE: PRT  
; ORGANISM: Homo sapiens

Query Match 100.0%; Score 1496; DB 3; Length 274;  
Best Local Similarity 100.0%; Pred. No. 1e-135; Mismatches 0; Indels 0; Gaps 0;

US-09-819-371-5

Query Match 100.0%; Score 1496; DB 3; Length 274;  
Best Local Similarity 100.0%; Pred. No. 1e-135; Mismatches 0; Indels 0; Gaps 0;

1 GSHSLRYFSTAVSRPGRGEPRTYAVBYVDDTQFLRFDSDAIPRMPREPRTYVQEGPQYW 60  
1 GSHSLRYFSTAVSRPGRGEPRTYAVBYVDDTQFLRFDSDAIPRMPREPRTYVQEGPQYW 60

61 EWTGTYAKANQTDYALVNLILRRNQSEAGSHTLQGNGGDMGPGRLLRGYHQHAYDG 120  
61 EWTGTYAKANQTDYALVNLILRRNQSEAGSHTLQGNGGDMGPGRLLRGYHQHAYDG 120

121 KDIYISNEDLRSWTAADTVQITQRTYEAAYEAERTTYLGEBCILLRLRTENGKETLQ 180  
121 KDIYISNEDLRSWTAADTVQITQRTYEAAYEAERTTYLGEBCILLRLRTENGKETLQ 180

181 RADPKAHVAPHHPISDHEATLRCWALGFPYABITLWQDGBECOTDTELVTRPAGDT 240  
181 RADPKAHVAPHHPISDHEATLRCWALGFPYABITLWQDGBECOTDTELVTRPAGDT 240

241 FOKWAAVVPVPGSEQRTYCHVQHGLPQPLILRW 274  
241 FOKWAAVVPVPGSEQRTYCHVQHGLPQPLILRW 274

RESULT 2  
US-10-257-021-82

; Sequence 82, Application US-10257021  
; Publication No. US20030211498A1

; GENERAL INFORMATION:

; APPLICANT: Morin, Patrice J.

1 APPLICANT: Sherman-Baust, Cheryl A.  
 1 APPLICANT: Pizer, Ellen S.  
 1 TITLE OF INVENTION: TUMOR MARKERS IN OVARIAN CANCER  
 1 FILE REFERENCE: 14014, NUMBER: US/10/257, 021  
 1 CURRENT APPLICATION NUMBER: US/10/0369U2  
 1 CURRENT FILING DATE: 2002-10-03  
 1 PRIOR APPLICATION NUMBER: PCT/US01/10947  
 1 PRIOR FILING DATE: 2001-04-03  
 1 PRIOR FILING DATE: 2000-04-03  
 1 NUMBER OF SEQ ID NOS: 147  
 1 SOFTWARE: FastSEQ for Windows Version 4.0  
 1 SEQ ID NO: 82  
 1 LENGTH: 362  
 1 TYPE: PRT  
 1 ORGANISM: Homo sapiens  
 1 SEQ ID NO: 82  
 1 LENGTH: 362  
 1 TYPE: PRT  
 1 ORGANISM: Homo sapiens  
 1 SEQ ID NO: 82  
 1 LENGTH: 362  
 1 TYPE: PRT  
 1 ORGANISM: Homo sapiens  
 1 SEQ ID NO: 82

Query Match 100.0%; Score 1496; DB 4; Length 362;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-135; Indels 0; Gaps 0;  
 Matches 274; Conservative 0; Mismatches 0; Gapopen 0;  
 US-10-631-467-624

Qy 1 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 60  
 Db 2 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 81

Qy 1 21 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 180  
 Db 22 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 201

Qy 1 61 EWTGAKANQTDYRALNLLRNYNOSEASHTLQGMNGCDMGPDGRLLRGYHQAYDG 120  
 Db 82 EWTGAKANQTDYRALNLLRNYNOSEASHTLQGMNGCDMGPDGRLLRGYHQAYDG 141

Qy 1 121 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 180  
 Db 142 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 201

Qy 1 181 RADPKAHVAAHPISDHEATLRCWALGFYPAEITLWORDGEETQDTTELVETPAGDT 240  
 Db 202 RADPKAHVAAHPISDHEATLRCWALGFYPAEITLWORDGEETQDTTELVETPAGDT 261

Qy 1 241 FQKWAAYVVPSGEEQRTCHVQHEGLPQPLILRW 274  
 Db 262 FQKWAAYVVPSGEEQRTCHVQHEGLPQPLILRW 295

Query Match 100.0%; Score 1496; DB 4; Length 442;  
 Best Local Similarity 100.0%; Pred. No. 2e-135;  
 Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 US-10-408-765A-1887

Qy 1 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 60  
 Db 22 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 81

Qy 1 61 EWTGAKANQTDYRALNLLRNYNOSEASHTLQGMNGCDMGPDGRLLRGYHQAYDG 120  
 Db 82 EWTGAKANQTDYRALNLLRNYNOSEASHTLQGMNGCDMGPDGRLLRGYHQAYDG 141

Qy 1 121 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 180  
 Db 142 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 201

Qy 1 181 RADPKAHVAAHPISDHEATLRCWALGFYPAEITLWORDGEETQDTTELVETPAGDT 240  
 Db 202 RADPKAHVAAHPISDHEATLRCWALGFYPAEITLWORDGEETQDTTELVETPAGDT 261

Qy 1 241 FQKWAAYVVPSGEEQRTCHVQHEGLPQPLILRW 274  
 Db 262 FQKWAAYVVPSGEEQRTCHVQHEGLPQPLILRW 295

Query Match 100.0%; Score 1496; DB 4; Length 442;  
 Best Local Similarity 100.0%; Pred. No. 2e-135;  
 Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 US-10-408-765A-1887

Qy 1 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 60  
 Db 22 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 81

Qy 1 61 EWTGAKANQTDYRALNLLRNYNOSEASHTLQGMNGCDMGPDGRLLRGYHQAYDG 120  
 Db 82 EWTGAKANQTDYRALNLLRNYNOSEASHTLQGMNGCDMGPDGRLLRGYHQAYDG 141

Qy 1 121 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 180  
 Db 142 KDYISLINEIDRSWTAADTVQITQFYEAEFRTYLEGECIBLLRYLENGKETLQ 201

Qy 1 181 RADPKAHVAAHPISDHEATLRCWALGFYPAEITLWORDGEETQDTTELVETPAGDT 240  
 Db 202 RADPKAHVAAHPISDHEATLRCWALGFYPAEITLWORDGEETQDTTELVETPAGDT 261

Qy 1 241 FQKWAAYVVPSGEEQRTCHVQHEGLPQPLILRW 274  
 Db 262 FQKWAAYVVPSGEEQRTCHVQHEGLPQPLILRW 295

Query Match 100.0%; Score 1496; DB 5; Length 362;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-135; Indels 0; Gaps 0;  
 Matches 274; Conservative 0; Mismatches 0; Gapopen 0;  
 US-10-631-467-624

Qy 1 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 60  
 Db 22 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 81

Query Match 100.0%; Score 1496; DB 5; Length 362;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-135; Indels 0; Gaps 0;  
 Matches 274; Conservative 0; Mismatches 0; Gapopen 0;  
 US-10-450-763-57085

Qy 1 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSAAIPMNPREPMEQEGPQYW 60  
 Db 262 FQKWAAYVVPSGEEQRTCHVQHEGLPQPLILRW 295

Query Match 100.0%; Score 1496; DB 5; Length 362;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-135; Indels 0; Gaps 0;  
 Matches 274; Conservative 0; Mismatches 0; Gapopen 0;  
 US-10-57085, Application US/10450763  
 ; Sequence 57085, Application No. US2005010450763

Query Match 100.0%; Score 1496; DB 5; Length 362;  
 Best Local Similarity 100.0%; Pred. No. 1.5e-135; Indels 0; Gaps 0;  
 Matches 274; Conservative 0; Mismatches 0; Gapopen 0;  
 US-10-450-763-57085  
 ; Sequence 57085, Application US/10450763  
 ; Publication No. US2005010450763

GENERAL INFORMATION:  
 APPLICANT: Hyseq, Inc  
 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
 PUBLISHER: 790CIP3/US  
 CURRENT APPLICATION NUMBER: US/10/450,763  
 CURRENT FILING DATE: 2003-06-11  
 PRIOR APPLICATION NUMBER: PCT/US01/08631  
 PRIOR FILING DATE: 2001-03-30  
 PRIOR APPLICATION NUMBER: US/540,217  
 PRIOR FILING DATE: 2000-03-31  
 PRIOR APPLICATION NUMBER: US/649,167  
 PRIOR FILING DATE: 2000-08-23  
 NUMBER OF SEQ ID NOS: 60736  
 SOFTWARE: Custom  
 SEQ ID NO: 57085  
 LENGTH: 677  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (587)-(605)  
 OTHER INFORMATION: Immunoglobulins and major histocompatibility antigen, C  
 OTHER INFORMATION: domain identified by eMATRIX, accession  
 OTHER INFORMATION: 451.8  
 OTHER INFORMATION: 7.750e-19, raw score of 13.17  
 FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (331)-(509)  
 OTHER INFORMATION: Class I Histocompatibility antigen, C  
 OTHER INFORMATION: by Pram, accession name MHC\_I, E-value  
 OTHER INFORMATION: 451.8  
 OTHER INFORMATION: US-10-450-763-57085  
 Query Match 99.7% Score 1491; DB 5; Length 1491; Pred. No. 1.1e-134; Mismatches 0; Matches 273; Conservative 0; Indels 1; InDel  
 Qy 1 GSHSLRYFSTAVASRPGGRPYIAVEYDDTQFLRFDSDAIPRME  
 Db 331 GSHSLRYFSTAVASRPGGRPYIAVEYDDTQFLRFDSDAIPRME  
 Qy 61 EWTGYAKANAQTDVALENLRLRHNQSEAGSHTLQGMNGCDMGP  
 Db 391 EWTGYAKANAQTDVALENLRLRHNQSEAGSHTLQGMNGCDMGP  
 Qy 121 KDYISLNEQLRSWTAADTYAQITQRFYEAFFYEAFFRTYLEGCECL  
 Db 451 KDYISLNEQLRSWTAADTYAQITQRFYEAFFYEAFFRTYLEGCECL  
 Qy 181 RADPPKHAHHHPTSDHEATLRCWALGFYPAEITLTWQDGEETQ  
 Db 511 RADPPKHAHHHPTSDHEATLRCWALGFYPAEITLTWQDGEETQ  
 Qy 241 FQWAAVYVPSGBEQRTCHVQHGLPQLLWRW 274  
 Db 571 FQWAAVYVPSGBEQRTCHVQHSGLPQLLWRW 604  
 RESULT 6  
 US-09-819-371-4  
 Sequence 4, Application US/09819371  
 Publication No. US20040053344A1  
 GENERAL INFORMATION:  
 APPLICANT: Egawa, Kohji  
 TITLE OF INVENTION: Cancer Cell-Specific HLA-P Antigen and  
 TITLE OF INVENTION: Using Thereof  
 PUBLISHER: 3015  
 CURRENT APPLICATION NUMBER: US/09/819,371  
 CURRENT FILING DATE: 2002-03-15  
 NUMBER OF SEQ ID NOS: 6  
 SOFTWARE: Patentin version 3.0  
 SEQ ID NO: 4  
 LENGTH: 362  
 TYPE: PRT

Organism: Homo sapiens						
US-09-919-371-4						
Query	Match	Score	DB	Length	Prod. No.	Indels
Qy	Query Match	99.5%	Score 1489;	DB 3;	Length 362;	
	Best Local Similarity	99.6%	Pred. No. 7.2e-135;			
Matches	273;	Conservative	0;	Mismatches	1;	Indels 0
Qy	1	GSHSLRYFSTAVSRPGRGEPRTYAVYYDDTQFLRFDSDAAIPMSEPREPVL				
Db	22	GSHSLRYFSTAVSRPGRGEPRTYAVYYDDTQFLRFDSDAAIPMSEPREPVL				
Qy	61	EWTTGAYAKANAACTDVALNLRLRYNOSBAGSHTLQGHNGCDDMGDPGRLJRG				
Db	82	EWTTGAYAKANAACTDVALNLRLRYNOSBAGSHTLQGHNGCDDMGDPGRLJRG				
Qy	121	KDYISLNEEDLRSWTAADTVQITQRFYEAEEYABFRTYLEGSCLELLRRLY				
Db	142	KDYISLNEEDLRSWTAADTVQITQRFYEAEEYABFRTYLEGSCLELLRRLY				
Qy	181	RADPPKAHHFPISDHEATLRCWALGFYPAETLTWQRDGEQTDTELVE				
Db	202	RADPPKAHHFPISDHEATLRCWALGFYPAETLTWQRDGEQTDTELVE				
Qy	241	FQWAAVYVPSGEGQYTTCHVQHEGLPQLILRW 274				
Db	262	FQWAAVYVPSGEGQYTTCHVQHEGLPQLILRW 295				
RESULT 7						
US-09-925-301-1431						
; Sequence 1431, Application US/09925301						
; Patent No. US200200522308A1						
; GENERAL INFORMATION:						
; APPLICANT: Rosen et al.						
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies						
; FILE REFERENCE: PA106						
; CURRENT APPLICATION NUMBER: US/09/925,301						
; CURRENT FILING DATE: 2001-08-10						
; PRIORITY APPLICATION NUMBER: PCT/US00/05882						
; PRIORITY FILING DATE: 2000-03-08						
; PRIORITY APPLICATION NUMBER: 60/1124,270						
; PRIORITY FILING DATE: 1999-03-12						
; NUMBER OF SEQ ID NOS: 1694						
; SOFTWARE: PatentIn Ver. 2.0						
; SEQ ID NO: 1431						
; LENGTH: 271						
; TYPE: PRT						
; ORGANISM: Homo sapiens						
US-09-925-301-1431						
Query Match						
Best Local Similarity	99.6%	Score 1311;	DB 3;	Length 271;		
Matches	241;	Conservative	1;	Mismatches	0;	Indels 0
Qy	1	GSHSLRYFSTAVSRPGRGEPRTYAVYYDDTQFLRFDSDAAIPMSEPREPVL				
Db	28	GSHSLRYFSTAVSRPGRGEPRTYAVYYDDTQFLRFDSDAAIPMSEPREPVL				
Qy	61	EWTTGAYAKANAACTDVALNLRLRYNOSBAGSHTLQGHNGCDDMGDPGRLJRG				
Db	88	EWTTGAYAKANAACTDVALNLRLRYNOSBAGSHTLQGHNGCDDMGDPGRLJRG				
Qy	121	KDYISLNEEDLRSWTAADTVQITQRFYEAEEYABFRTYLEGSCLELLRRLY				
Db	148	KDYISLNEEDLRSWTAADTVQITQRFYEAEEYABFRTYLEGSCLELLRRLY				
Qy	181	RADPPKAHHFPISDHEATLRCWALGFYPAETLTWQRDGEQTDTELVE				
Db	208	RADPPKAHHFPISDHEATLRCWALGFYPAETLTWQRDGEQTDTELVE				
Qy	241	FQ 242				
Db	268	FR 269				

**RESULT 8**  
 US-10-631-467-728  
 ; Sequence 728, Application US/10631467  
 ; Publication No. US20050208496A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Genox Research Inc.  
 ; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive p  
 ; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive p  
 ; FILE REFERENCE: 3462-1005-000  
 ; CURRENT APPLICATION NUMBER: US/10/631,467  
 ; CURRENT FILING DATE: 2003-07-31  
 ; PRIOR APPLICATION NUMBER: JP 2003-03-20  
 ; PRIOR FILING DATE: 2002-08-06  
 ; PRIOR APPLICATION NUMBER: JP 2002-229312  
 ; PRIOR FILING DATE: 2002-08-06  
 ; NUMBER OF SEQ ID NOS: 2086  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 101  
 ; LENGTH: 362  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-631-467-728

Query Match 81.6%; Score 1221; DB 5; Length 362;  
 Best Local Similarity 81.4%; Pred. No. 5; 3e-109; Indels 0; Gaps 0;  
 Matches 223; Conservative 20; Mismatches 31; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRYIAVEYYDDTQFLRDSAAIPRMEPREPWVEQGPQTW 60  
 Db 25 GSHSMRYFPTSVSRPGRGEPRFISVYDDTQFVRFDSAAASPREPRAWIEQGPETW 84

Qy 61 WTTGIAKANQTDVRLNLLRRYNNQSEAGSHTLQGMNGCDMGPGRLLRGYHQAYDG 120  
 Db 85 DRNTQIYKAQQTDRSLLNRGYNQSEAGSHTLQSMYCCDVGDPGRLLRGHDQAYDG 144

Qy 121 KDIYSINEDLRSWTAADTAQTORVYAAEPRTYLEGECLLRRYLENGKETLQ 180  
 Db 145 KDIYANEDLRSWTAADTAQTORVYAAEPRTYLEGECLLRRYLENGKEL 204

Qy 181 RADPPKAHVATHPISDHEATLRCWAALGFYPAEPLITWQDSECTQDTELVETRPAGDT 240  
 Db 205 RADPPKTHVTHPISDHEATLRCWAALGFYPAEPLITWQDSECTQDTELVETRPAGDT 264

Qy 241 FQKWAAYVVPSGEQQRTYCHVQHEGIPQPLILRW 274  
 Db 265 FQKWAAYVVPSGEQQRTYCHVQHEGIPQPLILRW 298

**RESULT 9**  
 US-10-287-436A-101  
 ; Sequence 101, Application US/10287436A  
 ; Publication No. US20050202421A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CHILDREN' S HOSPITAL MEDICAL CENTER  
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 ; FILE REFERENCE: 10872-514696  
 ; CURRENT APPLICATION NUMBER: US/10/287,436A  
 ; CURRENT FILING DATE: 2002-10-31  
 ; PRIOR APPLICATION NUMBER: US 60/336,220  
 ; PRIOR FILING DATE: 2001-10-31  
 ; NUMBER OF SEQ ID NOS: 1446  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 162  
 ; LENGTH: 366  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-287-436A-101

Query Match 80.5%; Score 1205; DB 5; Length 366;  
 Best Local Similarity 81.3%; Pred. No. 1.9e-107; Indels 0; Gaps 0;

Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;  
 Qy 2 SHSLRYFSTAVSRPGRGEPRYIAVEYYDDTQFLRDSAAIPRMEPREPWVEQGPQYW 61  
 Db 26 SHSMRYFPTSVSRPGRGEPRFISVYDDTQFVRFDSAAASPREPRAWIEQGPETW 85

Qy 62 WTTGIAKANQTDVRLNLLRRYNNQSEAGSHTLQGMNGCDMGPGRLLRGYHQAYDG 121  
 Db 86 RETQYKQDQDVRNLLRRYNNQSEAGSHTLQGMNGCDMGPGRLLRGYHQAYDG 145

Qy 122 DYISINEDLRSWTAADTAQTORVYAAEPRTYLEGECLLRRYLENGKETLQ 181  
 Db 146 DYIANEDLRSWTAADTAQTORVYAAEPRTYLEGECLLRRYLENGKETLQ 205

Qy 182 ADPPKAHVATHPISDHEATLRCWAALGFYPAEPLITWQDSECTQDTELVETRPAGDT 241  
 Db 206 AEHPKTHVTHPVSHEATLRCWAALGFYPAEPLITWQDSECTQDTELVETRPAGDT 265

Qy 242 QRWAVVVPSGEQQRTYCHVQHEGIPQPLILRW 274  
 Db 266 QRWAVVVPSGEQQRTYCHVQHEGIPQPLILRW 298

**RESULT 11**  
 US-10-287-436A-1257  
 ; Sequence 1257, Application US/10287436A  
 ; Publication No. US20050202421A1

GENERAL INFORMATION  
 APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 FILE REFERENCE: 10872\_514696  
 CURRENT APPLICATION NUMBER: US/10/287,436A  
 PRIOR APPLICATION NUMBER: US 60/336,220  
 PRIORITY FILING DATE: 2002-10-31  
 PRIORITY PUBLISHING DATE: 2001-10-31  
 NUMBER OF SEQ ID NOS: 1446  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 1257  
 LENGTH: 366  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-287-436A-1257

Query Match 80.5%; Score 1205; DB 5; Length 366;  
 Best Local Similarity 81.3%; Pred. No. 1.9e-107;  
 Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;  
 Qy 2 SHSLRYSPTAVSRPGRGPRYIAVEYDQTQFRFDAAITPRMEPRPWFQEGPQYWE 61  
 Db 26 SHSMRFPDTAVSRPGRGPRFISVGIVDQTQFRFDAAITPRGEPRAPWFQEGPWF 85  
 Qy 62 WTTGYAKANAAQTDVALRNLJLRRYNOSEAGSHTLQGNGCIMGPDRGLRGGYHQHAYDGK 121  
 Db 86 RETQKYKRQAQDVRNLRKLRRYGNQSDGTSITLQWNYGCDIGPDRGLRGGYDQSYDGK 145  
 Qy 122 DYISLNEDLRSNTAAITPAQITQPRYBAAEPRFTYLEGCEBLIRYLENGKETLQR 181  
 Db 146 DYTALNEDLRSNTAAITPAQITQPRYBAAEPRFTYLEGCEBLIRYLENGKETLQR 205  
 Qy 182 ADDPKAHVAAHPISDHEATLRCWALGYPAAETLWDRGEEQDQTDLVETRPGDGT 241  
 Db 206 AEHPKTHVTHPVDHEATLRCWALGYPAAETLWDRGEEQDQTDLVETRPGDGT 265

RESULT 13  
 US-10-287-436A-120  
 / Sequence 120, Application US/10287436A  
 / Publication No. US20050202421A1  
 / GENERAL INFORMATION:  
 / APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 / TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 / FILE REFERENCE: 10872\_514696  
 / CURRENT APPLICATION NUMBER: US/10/287,436A  
 / PRIORITY FILING DATE: 2002-10-31  
 / PRIORITY PUBLISHING DATE: 2001-10-31  
 / NUMBER OF SEQ ID NOS: 1446  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 120  
 / LENGTH: 362  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 US-10-287-436A-120

Query Match 79.9%; Score 1196; DB 5; Length 362;  
 Best Local Similarity 80.3%; Pred. No. 1.4e-106;  
 Matches 220; Conservative 17; Mismatches 37; Indels 0; Gaps 0;  
 Qy 1 GSHSLRYSPTAVSRPGRGPRYIAVEYDQTQFRFDAAITPRMEPRPWFQEGPQYWN 60  
 Db 25 GSHSMRFPDTAVSRPGRGPRFISVGIVDQTQFRFDAAITPRGEPRAPWFQEGPBYW 84  
 Qy 61 EWTGTYAKANAAQTDVALRNLJLRRYNOSEAGSHTLQGNGCIMGPDRGLRGGYHQHAYDG 120  
 Db 85 DRETOQSKNTQTYRESLRNRLGGYDQFQYVDDTLPVFRFDAAITPRGEPRAPWFQEGPBYW 144  
 Qy 121 KDYISLNEDLRSNTAAITPAQITQPRYBAAEPRFTYLEGCEBLIRYLENGKETLQR 180  
 Db 145 KDYIAlNEDLSSWTAAITPAQITQPRYBAAEPRFTYLEGCEBLIRYLENGKETLQR 204  
 Qy 181 RADPKAHVAAHPISDHEATLRCWALGYPAAETLWDRGEEQDQTDLVETRPGDGT 240  
 Db 205 RADPKTHVTHPVDHEATLRCWALGYPAAETLWDRGEEQDQTDLVETRPGDGT 264  
 Qy 241 FQKWAAYVVPSSGEGEPRYTCVHQHGLPQLLRW 274  
 Db 265 FQKWAAYVVPSSGEGEPRYTCVHQHGLPQLLRW 298

RESULT 14  
 US-10-287-436A-1260  
 / Sequence 126, Application US/10287436A  
 / Publication No. US20050202421A1  
 / GENERAL INFORMATION:  
 / APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 / TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 / FILE REFERENCE: 10872\_514696  
 / CURRENT APPLICATION NUMBER: US/10/287,436A  
 / PRIORITY FILING DATE: 2002-10-31  
 / PRIORITY PUBLISHING DATE: 2001-10-31  
 / NUMBER OF SEQ ID NOS: 1446  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 1267  
 / LENGTH: 366  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 US-10-287-436A-1267

Query Match 80.5%; Score 1205; DB 5; Length 366;  
 Best Local Similarity 81.3%; Pred. No. 1.9e-107;  
 Matches 222; Conservative 16; Mismatches 35; Indels 0; Gaps 0;  
 Qy 2 SHSLRYSPTAVSRPGRGPRYIAVEYDQTQFRFDAAITPRMEPRPWFQEGPQYWN 61  
 Db 26 SHSMRFPDTAVSRPGRGPRFISVGIVDQTQFRFDAAITPRGEPRAPWFQEGPWF 85  
 Qy 62 WTTGYAKANAAQTDVALRNLJLRRYNOSEAGSHTLQGNGCIMGPDRGLRGGYHQHAYDGK 121

PRIOR FILING DATE: 2001-10-31  
 NUMBER OF SEQ ID NOS: 1446  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 1260  
 LENGTH: 362  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-287-436A-1260

Query Match 79.9%; Score 1196; DB 5; Length 362;  
 Best Local Similarity 80.3%; Pred. No. 1.4e-106;  
 Matches 220; Conservative 37; Mismatches 37; Indels 0; Gaps 0;  
 Qy 1 GSHSLRYFSTAVSRPGRGEPRTYIAVEYDDTQFLRDSLAAIPRMEPREPWEQGPQW 60  
 Db 25 GSHSMRYFHTAMSRRPGRGEPRTYIVYDDTFLVREDSDATSPRGPRTWIEQGPQW 84  
 Qy 61 EWTGKAKANQTDRLVALNLRLRNYNOSEASHTLQGMGCDMGPDGRLLRGLRYHAYDG 120  
 Db 85 DRETOISKNTQTYRSRSLNRGLYNGTNOSEASHTWQRMYCCDLGPGRLLRGLRQDADG 144  
 Qy 121 KDVISLINEDLSWTAADTAQVQTORFYEAEEYAEERPTYLEGBCBELLRLRYLENGKETLQ 180  
 Db 145 KDVIAALNEDLSSWTAADTAQVQTORFYEAEEYAEERPTYLEGBCBELLRLRYLENGKETLQ 204  
 Qy 181 RADPPKAHVAAHHPISDHEATLRCWALGFPAEITLTWQDGEETQTDTELVETRPAGDT 240  
 Db 205 RADPPKTHVTHHPISDHEATLRCWALGFPAEITLTWQDGEETQTDTELVETRPAGDT 264  
 Qy 241 FQKWAAYVVPSGEQRPTYCHVQHEGLPQPLLRW 274  
 Db 265 FQKWAAYVVPSGEQRPTYCHVQHEGLPQPLLRW 298

RESULT 15  
 US-10-741-600-941  
 ; Sequence 941, Application US/10741600  
 ; Publication No. US20050026169A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CCL0199  
 ; CURRENT APPLICATION NUMBER: US/10/741,600  
 ; CURRENT FILING DATE: 2003-12-22  
 ; NUMBER OF SEQ ID NOS: 73997  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 941  
 ; LENGTH: 365  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-741-600-941

Query Match 79.7%; Score 1193; DB 5; Length 365;  
 Best Local Similarity 79.6%; Pred. No. 2.7e-106;  
 Matches 218; Conservative 19; Mismatches 37; Indels 0; Gaps 0;  
 Qy 1 GSHSLRYFSTAVSRPGRGEPRTYIAVEYDDTQFLRDSLAAIPRMEPREPWEQGPQW 60  
 Db 25 GSHSMRYFHTAMSRRPGRGEPRTYIVYDDTFLVREDSDATSPRGPRTWIEQGPQW 84  
 Qy 61 EWTGKAKANQTDRLVALNLRLRNYNOSEASHTLQGMGCDMGPDGRLLRGLRYHAYDG 120  
 Db 85 DQETRNYKAQSTDRVDTLGLTRGLYNGTNOSEASHTWQRMYGDVGSGRFLRGYRQDADG 144  
 Qy 121 KDVISLINEDLSWTAADTAQVQTORFYEAEEYAEERPTYLEGBCBELLRLRYLENGKETLQ 180  
 Db 145 KDVIAALNEDLSSWTAADTAQVQTORFYEAEEYAEERPTYLEGBCBELLRLRYLENGKETLQ 204  
 Qy 181 RADPPKAHVAAHHPISDHEATLRCWALGFPAEITLTWQDGEETQTDTELVETRPAGDT 240  
 Db 205 RTDPPKTHVTHHPISDHEATLRCWALGFPAEITLTWQDGEETQTDTELVETRPAGDT 264

Result No.	Score	Query Match	Length	DB ID	Description
1	1173	100.0	215	3	US-09-819-371-6
2	1164	99.2	271	3	US-09-925-301-1431
3	1164	99.2	274	3	US-09-819-371-5
4	1164	99.2	362	4	US-10-257-021-82
5	1164	99.2	362	5	US-10-631-467-624
6	1164	99.2	442	4	US-10-406-763-1887
7	1164	99.2	677	5	US-10-456-763-57085
8	1157	98.6	362	3	US-09-819-371-4
9	921	78.5	362	5	US-10-631-467-728
10	897	76.5	366	5	US-10-287-436A-101
11	897	76.5	366	5	US-10-287-436A-162
12	897	76.5	366	5	US-10-287-436A-1257
13	897	76.5	366	5	US-10-287-436A-1257
14	895	76.3	362	5	US-10-287-436A-120
15	895	76.3	362	5	US-10-287-436A-120
16	885	75.4	365	5	US-10-741-600-941
17	881	75.1	365	5	US-10-287-436A-179
18	881	75.1	365	5	US-10-287-436A-1268
19	869	74.1	326	4	US-10-387-880-7
20	869	74.1	338	4	US-10-741-601-380
21	869	74.1	338	4	US-10-741-601-380
22	869	74.1	338	5	US-10-741-600-1134
23	869	74.1	338	5	US-10-741-600-1138
24	869	74.1	338	5	US-10-487-029-110
25	869	74.1	343	4	US-10-741-601-379
26	869	74.1	343	5	US-10-741-600-1139
27	867	73.9	365	4	US-10-741-601-325

RESULT 4

PRIOR APPLICATION NUMBER: PCT/US00/059882  
 PRIOR FILING DATE: 2000-03-08  
 PRIOR APPLICATION NUMBER: 60/124,270  
 NUMBER OF SEQ ID NOS: 1694  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 1431  
 LENGTH: 271  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-925-301-1431

Query Match 99.2%; Score 1164; DB 3; Length 271;  
 Best Local Similarity 99.5%; Pred. No. 1.4e-107; Indels 0; Gaps 0;  
 Matches 214; Conservative 1; Mismatches 0; Gaps 0;

Qy 1 IAVEYDDTQLRFDSDAI PRMEPREPVEQGPQWTTGAKANAQTDVALRNLL 60  
 Db 50 IAVEYDDTQLRFDSDAI PRMEPREPVEQGPQWTTGAKANAQTDVALRNLL 109  
 Qy 61 RYNOSEAGSHTLQGNGCDMGPDRLLRGTHQHAWDGKDYISNEDLRSWTAADTVQI 120  
 Db 110 RYNOSSAGSHTLQGNGCDMGPDRLLRGTHQHAYDGKDYISNEDLRSWTAADTVQI 169  
 Qy 121 TORFYEAEEAYAEEFRTYLEGECLELLRYLENGKETLQRADPPKAHVAPISDHEATLR 180  
 Db 170 TORFYEAEEAYAEEFRTYLEGECLELLRYLENGKETLQRADPPKAHVAPISDHEATR 229  
 Qy 181 CWALGYPAAETLTLWORDGEQTQDTELVETPAG 215  
 Db 230 CWALGYPAAETLTLWORDGEQTQDTELVETPAG 264

RESULT 5

US-09-819-371-5  
 Sequence 5, Application US/09819371  
 Publication No. US2004005334A1  
 GENERAL INFORMATION:  
 APPLICANT: Egawa, Kohji  
 TITLE OF INVENTION: Cancer Cell Specific HLA-F Antigen and a Diagnostic Method of Cancer  
 FILE REFERENCE: 30815  
 CURRENT APPLICATION NUMBER: US/09/819,371  
 CURRENT FILING DATE: 2002-03-15  
 NUMBER OF SEQ ID NOS: 6  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 5  
 LENGTH: 274  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-819-371-5

Query Match 99.2%; Score 1164; DB 3; Length 274;  
 Best Local Similarity 99.5%; Pred. No. 1.4e-107; Indels 0; Gaps 0;  
 Matches 214; Conservative 1; Mismatches 0; Gaps 0;

Qy 1 IAVEYDDTQLRFDSDAI PRMEPREPVEQGPQWTTGAKANAQTDVALRNLL 60  
 Db 23 IAVEYDDTQLRFDSDAI PRMEPREPVEQGPQWTTGAKANAQTDVALRNLL 82  
 Qy 61 RYNOSEAGSHTLQGNGCDMGPDRLLRGTHQHAWDGKDYISNEDLRSWTAADTVQI 120  
 Db 83 RYNOSSAGSHTLQGNGCDMGPDRLLRGTHQHAYDGKDYISNEDLRSWTAADTVQI 142  
 Db 121 TORFYEAEEAYAEEFRTYLEGECLELLRYLENGKETLQRADPPKAHVAPISDHEATLR 180  
 Db 143 TORFYEAEEAYAEEFRTYLEGECLELLRYLENGKETLQRADPPKAHVAPISDHEATLR 202  
 Qy 181 CWALGYPAAETLTLWORDGEQTQDTELVETPAG 215  
 Db 203 CWALGYPAAETLTLWORDGEQTQDTELVETPAG 237

RESULT 6

US-10-257-021-82

Sequence 62, Application US/10257021  
 Publication No. US20030211498A1  
 GENERAL INFORMATION:  
 APPLICANT: Morin, Patrice J.  
 APPLICANT: Sherman-Baust, Cheryl A.  
 APPLICANT: Pizer, Ellen S.  
 APPLICANT: Hough, Colleen D.  
 TITLE OF INVENTION: TUMOR MARKERS IN OVARIAN CANCER  
 FILE REFERENCE: 14014-0369102  
 CURRENT APPLICATION NUMBER: US/10/257,021  
 CURRENT FILING DATE: 2002-10-03  
 PRIOR APPLICATION NUMBER: PCT/US01/10947  
 PRIOR FILING DATE: 2001-04-03  
 PRIOR APPLICATION NUMBER: 60/194,336  
 PRIOR FILING DATE: 2000-04-03  
 NUMBER OF SEQ ID NOS: 147  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 82  
 LENGTH: 362  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-257-021-82

Query Match 99.2%; Score 1164; DB 4; Length 362;  
 Best Local Similarity 99.5%; Pred. No. 2e-07; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IAVEYDDTQLRFDSDAI PRMEPREPVEQGPQWTTGAKANAQTDVALRNLL 60  
 Db 44 IAVEYDDTQLRFDSDAI PRMEPREPVEQGPQWTTGAKANAQTDVALRNLL 103

Qy 61 RYNOSEAGSHTLQGNGCDMGPDRLLRGTHQHAWDGKDYISNEDLRSWTAADTVQI 120  
 Db 104 RYNOSEAGSHTLQGNGCDMGPDRLLRGTHQHAYDGKDYISNEDLRSWTAADTVQI 163

Qy 121 TORFYEAEEAYAEEFRTYLEGECLELLRYLENGKETLQRADPPKAHVAPISDHEATLR 180  
 Db 164 TORFYEAEEAYAEEFRTYLEGECLELLRYLENGKETLQRADPPKAHVAPISDHEATLR 223

Qy 181 CWALGYPAAETLTLWORDGEQTQDTELVETPAG 215  
 Db 224 CWALGYPAAETLTLWORDGEQTQDTELVETPAG 258

RESULT 7

US-10-631-467-624

Sequence 624, Application US/10631467  
 Publication No. US2005020896A1  
 GENERAL INFORMATION:  
 APPLICANT: Genox Research Inc.  
 TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive lung disease  
 FILE REFERENCE: 3462-1005-000  
 CURRENT APPLICATION NUMBER: US/10/631,467  
 CURRENT FILING DATE: 2003-07-31  
 PRIOR APPLICATION NUMBER: JP 2003-077212  
 PRIOR FILING DATE: 2003-03-20  
 PRIOR APPLICATION NUMBER: JP 2002-229312  
 PRIOR FILING DATE: 2002-08-06  
 NUMBER OF SEQ ID NOS: 2086  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 624  
 LENGTH: 362  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-631-467-624

Query Match 99.2%; Score 1164; DB 5; Length 362;  
 Best Local Similarity 99.5%; Pred. No. 2e-07; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IAVYVYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 60  
 Db 44 IAVYVYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 103

Qy 61 RYNNOSEAGSHTLQGMNCDMGPDRGLRLRGYHQAHDGKDYSINEDRSWTAAADTVQI 120  
 Db 104 RYNNOSEAGSHTLQGMNCDMGPDRGLRLRGYHQAHDGKDYSINEDRSWTAAADTVQI 163

Qy 121 TORPYEAAEAEFRPTYLEGCECLLRLYLENGKTLQRADPPKAHVPISDHEATLRL 180  
 Db 164 TORPYEAAEAEFRPTYLEGCECLLRLYLENGKTLQRADPPKAHVPISDHEATLRL 223

Qy 181 CWALGFYPAEITLTWQDGEETQDTTELVETPAG 215  
 Db 224 CWALGFYPAEITLTWQDGEETQDTTELVETPAG 258

RESULT 6  
 Sequence 1887, Application US/10408765A  
 Publication No. US20040101874A1  
 GENERAL INFORMATION:  
 APPLICANT: Ghosh, Soumitra S.  
 APPLICANT: Fahy, Poin D.  
 APPLICANT: Zhang, Bing  
 APPLICANT: Gibson, Bradford W.  
 APPLICANT: Taylor, Steven W.  
 APPLICANT: Glenn, Gary M.  
 APPLICANT: Warnock, Dale E.  
 TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
 TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME  
 CURRENT APPLICATION NUMBER: US/10/408,765A  
 FILE REFERENCE: 661088 465  
 CURRENT FILING DATE: 2003-04-04  
 NUMBER OF SEQ ID NO: 3077  
 SOFTWARE: Pасt-SEQ for Windows Version 4.0  
 SEQ ID NO: 1887  
 LENGTH: 442  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-408-765A-1887

Query Match 99.2%; Score 1164; DB 5; Length 677;  
 Best Local Similarity 99.5%; Pred. No. 4.5e-107;  
 Matches 214; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAVYYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 60  
 Db 353 TAVYYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 412

Qy 61 RYNNOSEAGSHTLQGMNCDMGPDRGLRLRGYHQAHDGKDYSINEDRSWTAAADTVQI 120  
 Db 413 RYNNOSEAGSHTLQGMNCDMGPDRGLRLRGYHQAHDGKDYSINEDRSWTAAADTVQI 472

Qy 121 TORPYEAAEAEFRPTYLEGCECLLRLYLENGKTLQRADPPKAHVPISDHEATLRL 180  
 Db 473 TORPYEAAEAEFRPTYLEGCECLLRLYLENGKTLQRADPPKAHVPISDHEATLRL 532

Qy 181 CWALGFYPAEITLTWQDGEETQDTTELVETPAG 215  
 Db 533 CWALGFYPAEITLTWQDGEETQDTTELVETPAG 567

RESULT 8  
 US-09-819-371-4

Qy 1 IAVYVYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 60  
 Db 44 IAVYVYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 103

Qy 61 RYNNOSEAGSHTLQGMNCDMGPDRGLRLRGYHQAHDGKDYSINEDRSWTAAADTVQI 120  
 Db 104 RYNNOSEAGSHTLQGMNCDMGPDRGLRLRGYHQAHDGKDYSINEDRSWTAAADTVQI 163

Qy 121 TORPYEAAEAEFRPTYLEGCECLLRLYLENGKTLQRADPPKAHVPISDHEATLRL 180  
 Db 164 TORPYEAAEAEFRPTYLEGCECLLRLYLENGKTLQRADPPKAHVPISDHEATLRL 223

Qy 181 CWALGFYPAEITLTWQDGEETQDTTELVETPAG 215  
 Db 224 CWALGFYPAEITLTWQDGEETQDTTELVETPAG 258

RESULT 7  
 US-10-450-763-57085  
 Sequence 57085, Application US/10450763  
 Publication No. US20050196754A1  
 GENERAL INFORMATION:  
 APPLICANT: Hyseq, Inc.  
 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
 FILE REFERENCE: 790CIP2/US  
 CURRENT APPLICATION NUMBER: US/10/450,763  
 CURRENT FILING DATE: 2003-06-11

Qy 1 IAVYYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 60  
 Db 44 IAVYYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 103

Query Match 98.6%; Score 1157; DB 3; Length 362;  
 Best Local Similarity 99.1%; Pred. No. 9.9e-107;  
 Matches 213; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IAVYYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 60  
 Db 44 IAVYYDDTQFLRFDSDAIPRMEPREPMEQEGPQYNEWTTGYAKANAAQTDVALRNLL 103

Query 61 RYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 120  
 Database 104 RYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 163  
 Query 121 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 180  
 Database 164 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 223  
 Query 181 CWALGFYPAAETLTWORDGEBOTQDTLVELTRPAG 215  
 Database 224 CWALGFYPAAETLTWORDGEEQDTLVELTRPAG 258

RESULT 9  
 US-10-631-467-728  
 ; Sequence 728, Application US/10631467  
 ; Publication No. US200502084561  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Genox Research Inc.  
 ; TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive pulmonary disease  
 ; CURRENT APPLICATION NUMBER: US/10/631,467  
 ; CURRENT FILING DATE: 2003-07-31  
 ; PRIOR APPLICATION NUMBER: JP 2003-077212  
 ; PRIOR FILING DATE: 2003-03-20  
 ; PRIOR FILING DATE: 2002-08-06  
 ; NUMBER OF SEQ ID NOS: 2086  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 728  
 ; LENGTH: 362  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-631-467-728

Query Match 78.5%; Score 921; DB 5; Length 362;  
 Best Local Similarity 79.1%; Pred. No. 3, 6e-33; Indels 0; Gaps 0;  
 Matches 170; Conservative 17; Mismatches 28; Indels 0; Gaps 0;  
 Database 47 ISVGYVDDTQFVRFDSAAASPRGEPAWVQEGPEWDRQYKQRAQDVRNLR 106

Query 1 IAVEYVDDTQFVRFDSAAIPRMEPBPWVQEGPOWENTGYAKANACTDVALRNLL 60  
 Database 47 ISVGYVDDTQFVRFDSAAASPRGEPAWVQEGPEWDRQYKQRAQDVRNLR 106

Query 61 RYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 120  
 Database 107 GYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 166  
 Query 121 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 180  
 Database 167 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 226  
 Query 181 CWALGFYPAAETLTWORDGEBOTQDTLVELTRPAG 215  
 Database 227 CWALGFYPAAETLTWORDGEEQDTLVELTRPAG 261

RESULT 10  
 US-10-287-436A-101  
 ; Sequence 101, Application US/10287436A  
 ; Publication No. US2005020421A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 ; TITLE OF INVENTION: RHEUMATOID ARTHRITIS  
 ; FILE REFERENCE: 10872 514656  
 ; CURRENT FILING DATE: 2002-10-31  
 ; PRIOR APPLICATION NUMBER: US/10/287,436A  
 ; PRIOR FILING DATE: 2001-10-31  
 ; NUMBER OF SEQ ID NOS: 1446  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 162  
 ; LENGTH: 366  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-287-436A-162

Query Match 76.5%; Score 897; DB 5; Length 366;  
 Best Local Similarity 78.1%; Pred. No. 9.2e-81; Indels 0; Gaps 0;  
 Matches 168; Conservative 14; Mismatches 33; Indels 0; Gaps 0;  
 Database 47 ISVGYVDDTQFVRFDSAAASPRGEPAWVQEGPEWDRQYKQRAQDVRNLR 106

Query 1 IAVEYVDDTQFVRFDSAAIPRMEPBPWVQEGPOWENTGYAKANACTDVALRNLL 60  
 Database 47 ISVGYVDDTQFVRFDSAAASPRGEPAWVQEGPEWDRQYKQRAQDVRNLR 106

Query 61 RYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 120  
 Database 107 GYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 166  
 Query 121 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 180  
 Database 167 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 226  
 Query 181 CWALGFYPAAETLTWORDGEBOTQDTLVELTRPAG 215  
 Database 227 CWALGFYPAAETLTWORDGEEQDTLVELTRPAG 261

RESULT 11  
 US-10-287-436A-162  
 ; Sequence 162, Application US/10287436A  
 ; Publication No. US2005020421A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 ; TITLE OF INVENTION: RHEUMATOID ARTHRITIS  
 ; FILE REFERENCE: 10872 514656  
 ; CURRENT FILING DATE: 2002-10-31  
 ; PRIOR APPLICATION NUMBER: US/10/287,436A  
 ; PRIOR FILING DATE: 2001-10-31  
 ; NUMBER OF SEQ ID NOS: 1446  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 162  
 ; LENGTH: 366  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-10-287-436A-162

Query Match 76.5%; Score 897; DB 5; Length 366;  
 Best Local Similarity 78.1%; Pred. No. 9.2e-81; Indels 0; Gaps 0;  
 Matches 168; Conservative 14; Mismatches 33; Indels 0; Gaps 0;  
 Database 47 ISVGYVDDTQFVRFDSAAASPRGEPAWVQEGPEWDRQYKQRAQDVRNLR 106

Query 1 IAVEYVDDTQFVRFDSAAIPRMEPBPWVQEGPOWENTGYAKANACTDVALRNLL 60  
 Database 47 ISVGYVDDTQFVRFDSAAASPRGEPAWVQEGPEWDRQYKQRAQDVRNLR 106

Query 61 RYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 120  
 Database 107 GYNQSEAGSHTLOGNGCDMGPDRGLRGYHQHNGKDYISLANDLSMTAAADTVQI 166  
 Query 121 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 180  
 Database 167 TORFYAEYEAEFRYTYLEGCECELLARYLENGKETLQRADPPKAHVHPISDEATLR 226  
 Query 181 CWALGFYPAAETLTWORDGEBOTQDTLVELTRPAG 215  
 Database 227 CWALGFYPAAETLTWORDGEEQDTLVELTRPAG 261

RESULT 12  
 US-10-287-436A-1257  
 ; Sequence 1257, Application US/10287436A  
 ; Publication No. US2005020421A1

GENERAL INFORMATION  
 APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 RHEUMATOID ARTHRITIS  
 FILE REFERENCE: 10872\_514696  
 CURRENT APPLICATION NUMBER: US/10/287,436A  
 CURRENT FILING DATE: 2002-10-31  
 PRIOR APPLICATION NUMBER: US 60/336,220  
 PRIOR FILING DATE: 2001-10-31  
 NUMBER OF SEQ ID NOS: 1446  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 1257  
 LENGTH: 366  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-287-436A-1257

Query Match      Score 897; DB 5; Length 366;  
 Best Local Similarity 78.1%; Pred. No. 9.2e-31;  
 Matches 168; Conservative 14; Mismatches 33; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFRFDSDAIPNMPREPWVBGPQWVTTGKANAAQTDVRLNLL 60  
 Db 47 ISVGVYVDDTQFRFDSDAIPNMPREPWVBGPQWVTTGKANAAQTDVRLNLL 60  
 Qy 61 RYNOSEAGSHTLQGNGCDMGPDRGRLRGYHQHAWDKDVIISNEDLSWTAADTVQI 120  
 Db 107 GYNQSEGSHTLQGNGCDMGPDRGRLRGYHQHAWDKDVIISNEDLSWTAADTVQI 166  
 Qy 121 TORPYEAEYABEFPRTYLEGCECLLARYLENGKETLQRADPPKAHVAHPISDHEATLR 180  
 Db 167 TQRKWEAARAEQWRAVLEGCTVEMRLRYLENGKETLQRADPPKTHVTHPVSDEATLR 226  
 Qy 181 CWALGYPFAETLTWORDGEBTQDTELVETPAG 215  
 Db 227 CWALGYPFAETLTWORDGEBTQDTELVETPAG 261

RESULT 13  
 US-10-287-436A-1267  
 / Sequence 1267, Application US/10287436A  
 / Publication No. US20050202421A1  
 / GENERAL INFORMATION:  
 / APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 / TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 / FILE REFERENCE: 10872\_514696  
 / CURRENT APPLICATION NUMBER: US/10/287,436A  
 / CURRENT FILING DATE: 2002-10-31  
 / PRIOR APPLICATION NUMBER: US 60/336,220  
 / PRIOR FILING DATE: 2001-10-31  
 / NUMBER OF SEQ ID NOS: 1446  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 1267  
 / LENGTH: 366  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 US-10-287-436A-1267

Query Match      Score 897; DB 5; Length 366;  
 Best Local Similarity 78.1%; Pred. No. 9.2e-81;  
 Matches 168; Conservative 14; Mismatches 33; Indels 0; Gaps 0;

Qy 1 IAVEYVDDTQFRFDSDAIPNMPREPWVBGPQWVTTGKANAAQTDVRLNLL 60  
 Db 47 ISVGVYVDDTQFRFDSDAIPNMPREPWVBGPQWVTTGKANAAQTDVRLNLL 60  
 Qy 61 RYNOSEAGSHTLQGNGCDMGPDRGRLRGYHQHAWDKDVIISNEDLSWTAADTVQI 120  
 Db 107 GYNQSEGSHTLQGNGCDMGPDRGRLRGYHQHAWDKDVIISNEDLSWTAADTVQI 166  
 Qy 121 TQRPYEAEYABEFPRTYLEGCECLLARYLENGKETLQRADPPKAHVAHPISDHEATLR 180  
 Db 167 TQRKWEAARAEQWRAVLEGCTVEMRLRYLENGKETLQRADPPKTHVTHPVSDEATLR 226  
 Qy 181 CWALGYPFAETLTWORDGEBTQDTELVETPAG 215  
 Db 227 CWALGYPFAETLTWORDGEBTQDTELVETPAG 261

RESULT 14  
 US-10-287-436A-1260  
 / Sequence 1260, Application US/10287436A  
 / Publication No. US20050202421A1  
 / GENERAL INFORMATION:  
 / APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 / TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 / FILE REFERENCE: 10872\_514696  
 / CURRENT APPLICATION NUMBER: US/10/287,436A  
 / CURRENT FILING DATE: 2002-10-31  
 / PRIOR APPLICATION NUMBER: US 60/336,220  
 / PRIOR FILING DATE: 2001-10-31  
 / NUMBER OF SEQ ID NOS: 1446  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 1260  
 / LENGTH: 362  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 US-10-287-436A-1260

Query Match      Score 895; DB 5; Length 362;  
 Best Local Similarity 77.7%; Pred. No. 1.4e-80;  
 Matches 167; Conservative 14; Mismatches 34; Indels 0; Gaps 0;

Qy	1	IAVEYVDDTOFLRFDSDAI PRMEPREPVWQEGPQYWTGAKANQTDYALRNLL 60
Db	47	ITVGIVDDULFVRFSDATSPRKEPRAPIEOPGEYWDRETQISKTNTQTYRESLRNLR 106
Qy	61	RYNOSEAGSHTLQMRNGCDNGPDRLLRGTQHAWDGTDYISNEDLSWTADTVQI 120
Db	107	GYNOSEAGSHTWQRMYGCDLGPDRLLRGSYNLAYDGTDYISNEDLSWTADTVQI 166
Qy	121	TQRFYEAEEYAEFFRTYLEGECCLLIRRYLENGKETLQRADPPKAHVHRPISDHEATLR 180
Db	167	TQKWEAARVAEQDAYLEGICVESLRRYLENGKETLQRADPPKTHVTHRPISDHEATLR 226
Qy	181	CWALGYPAAETLITWQDGEBOQTQDTELVTRPAG 215
Db	227	CWALGYPAAETLITWQDGEBOQTQDTELVTRPAG 261

Search completed: April 7, 2006, 13:05:58  
Job time : 73.0035 secs



RESULT 2  
US-08-484-905-100  
Sequence 100, Application US/08484905  
Patent No. 5976551  
GENERAL INFORMATION:  
APPLICANT: Mottez, Estelle  
APPLICANT: Abastado, Jean-Pierre  
APPLICANT: Kourilsky, Philippe  
TITLE OF INVENTION: An Altered Major Histocompatibility Complex (MHC) Determinant and Methods for Using the  
TITLE OF INVENTION: Complex (MHC) Determinant Determinant  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunn  
ADDRESS: 1300 I Street, N.W., Suite 700  
CITY: Washington  
STATE: D.C.  
ZIP: 20005-3315  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS-/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US 08/484,905  
FILING DATE: 07-JUNE-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/801,818  
FILING DATE: 05-DEC-1991  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/792,473  
FILING DATE: 15-NOV-1991  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Potter, Jane E. R.  
REGISTRATION NUMBER: 33,332  
REFERENCE/DOCKET NUMBER: 03495.0106-03000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-408-4000  
TELEFAX: 202-408-4400  
SEQUENCE CHARACTERISTICS:  
LENGTH: 365 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-484-905-100  
Query Match 77.9%; Score 1497; DB 1; Length 365;  
Best Local Similarity 77.6%; Pred. No. 1e-139;  
Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;  
Qy 1 MAPRSLILLLSGLALTTWAGSHSLRYFSTAVSRPGERPYIAVEYVDDTQFQRFDS 60  
Db 4 MAPRTLVLVLLSGLALTTWAGSHSLRYFSTAVSRPGERPYIAVEYVDDTQFQRFDS 63  
Qy 61 AAIPRMRERPREPWEQEGPYQWMTGYAKANQDTRVLRNLLRNYNSEAGSHTLQMN 120  
Db 64 AASQRMRERPAPTEQEGPYWMTGYAKANQDTRVLRNLLRNYNSEAGSHTLQMN 123  
Qy 121 GCDMPGPDRLLRLGQYHQAYDGDYDYLSDNLSTLURGTYNQSEASHTYQRMF 128  
Db 122 GCDMPGPDRLLRLGQYHQAYDGDYDYLSDNLSTLURGTYNQSEASHTYQRMF 129  
Qy 123 GCDMPGPDRLLRLGQYHQAYDGDYDYLSDNLSTLURGTYNQSEASHTYQRMF 130  
Db 124 GCDVGSQDGRFLRGYHAYDGDYDYLSDHEATLRCWALGFPAEITLTWQ 240  
Qy 181 LEGCECFLRPLYLENCELETQRLADPKRHYAHFISDHEATLRCWALGFPAEITLTWQ 241  
Db 184 LEGTCEWLRLYLENCELETQRLADPKRTHAISDHEATLRCWALSFPAEITLTWQ 243  
Qy 241 DGBBQFQDTELYETRAGDTQFKWNAVYVPSGEERYTCVQHBLPQLPQLRWBQSPQ 300  
Db 244 DGEDQFQDTELYETRAGDTQFKWNAVYVPSGEERYTCVQHBLPQLPQLRWBQSPQ 303  
Qy 301 PTIPIVGIVAGHVVLSAVVTCVAVVAVMWRKSSDRNGSYSOAATDSDAQGSGVSLTAN 360  
Db 304 PTIPIVGIVAGLVLFGAVITGAVVAVMWRKSSDRKGGSYQAAASSDAGSDVSLTAC 363  
Qy 361 KV 362  
Db 364 KV 365  
Db RESULT 3  
US-08-481-985B-100  
Sequence 100, Application US/08481985B  
Patent No. 6011146  
GENERAL INFORMATION:  
APPLICANT: Mottez, Estelle  
APPLICANT: Abastado, Jean-Pierre  
APPLICANT: Kourilsky, Philippe  
TITLE OF INVENTION: Altered Major Histocompatibility Complex  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunn  
STREET: 1300 I Street, N.W., Suite 700  
CITY: Washington  
STATE: D.C.  
ZIP: 20005-3315  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US 08/481,985B  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
PRIORITY NUMBER: US 07/792,473  
FILING DATE: 15-NOV-1991  
CLASSIFICATION: 435  
PRIORITY NUMBER: US 07/792,473  
FILING DATE: 15-NOV-1991  
CLASSIFICATION: 435  
PRIORITY NUMBER: US 07/792,473  
FILING DATE: 15-NOV-1991  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Meyers, Kenneth J.  
REGISTRATION NUMBER: 25,146  
REFERENCE/DOCKET NUMBER: 03495.0106-04000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-408-4000  
TELEFAX: 202-408-4400  
INFORMATION FOR SEQ ID NO: 100:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 365 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-481-985B-100  
Query Match 77.9%; Score 1497; DB 2; Length 365;  
Best Local Similarity 77.6%; Pred. No. 1e-139;  
Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;

1 MAPRSLLLSSGALALTDTWAGSHSLRYFSTAVSRPGRGEPYIAYEVYDDTOPLRFSD 60  
 4 MAPRTLVLSSGALALTDTWAGSHSLRYFSTAVSRPGRGEPYIAYEVYDDTOPLRFSD 63

Qy 61 ANIPRMPREPAPVQEQQVQVAKANAAQDEVALENLRLRYNQSEAGSHTLQGRN 120  
 Db 64 AASQRNBPRAWPWIKQSGPEYDGETRKVKAHSQTRDLSLTLGRYNTQSEAGSHTVQRMF 123

Qy 121 GCDMGPGDGRLLRGYHAYDGKDYISLNEDLRSWTAQITQYRQFRAEAEFRY 180  
 Db 124 GCDVGSDDGRFLRGYHAYDGKDYIAKEDLRSWTAADMAAQTTKWEAHRVQLRAY 183

Qy 181 LEGECLLERLRYLENCELETQRADPKAHYAHHPISDHEATLRCWALGYPAAETLTWQR 240  
 Db 184 LEGTCVBLRLRYLENCELETQRADPKAHYAHHPISDHEATLRCWALSSYPAAETLTWQR 243

Qy 241 DGEHQQTDTLVETRPAGDTFQKQAAVWVPSGEQRYCHVQHGLPQTLRWEQSQ 300  
 Db 244 DGEDQTDTLVETRPAGDTFQKQAAVWVPSGEQRYCHVQHGLPQTLRWEQSQ 303

Qy 301 PTIPIVGIVAGLVLVGAATGAVVAAWVWRKSSDRNGSYSSQAAVTDQAQSGSYVSLTAN 360  
 Db 304 PTIPIVGIVAGLVLVGAATGAVVAAWVWRKSSDRNGSYSSQAAVTDQAQSGSYVSLTAC 363

Qy 361 KV 362  
 Db 364 KV 365

RESULT 4  
 US-08-652-265-23  
 Sequence 23, Application US/08652265  
 Patent No. 6025130

GENERAL INFORMATION:  
 APPLICANT: Thomas, Winston J.  
 APPLICANT: Drayna, Dennis T.  
 APPLICANT: Feder, John N.  
 APPLICANT: Gniurke, Andreas  
 APPLICANT: Ruddy, David  
 APPLICANT: Tsuchihashi, Zenta  
 APPLICANT: Wolff, Roger K.

TITLE OF INVENTION: Hereditary Hemochromatosis Gene

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Center, Eighth Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-3834

COMPUTER READABLE FORM:  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/652,265  
 FILING DATE: 23-MAY-1996  
 CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:  
 NAME: Smith, William M.  
 REGISTRATION NUMBER: 30, 223  
 REFERENCE/DOCKET NUMBER: 17957-000500

TELEPHONE: (415) 576-0200  
 TELEFAX: (415) 576-0300  
 INFORMATION FOR SEQ ID NO: 23:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..365  
 OTHER INFORMATION: /note= "Human Major Histocompatibility protein"  
 US-08-652-265-23

Query Match 77.9%; Score 1497; DB 2; Length 365;  
 Best Local Similarity 77.9%; Pred. No. 1e-139;  
 Matches 283; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPSLLLSSGALALTDTWAGSHSLRYFSTAVSRPGRGEPYIAYEVYDDTOPLRFSD 60  
 Db 4 MAPRTLVLSSGALALTDTWAGSHSLRYFSTAVSRPGRGEPYIAYEVYDDTOPLRFSD 63

Qy 61 AAIPRMPREPAPVQEQQVQVAKANAAQDEVALENLRLRYNQSEAGSHTLQGRN 120  
 Db 64 AASQRNBPRAWPWIKQSGPEYDGETRKVKAHSQTRDLSLTLGRYNTQSEAGSHTVQRMF 123

Qy 121 GCDMGPGDGRLLRGYHAYDGKDYISLNEDLRSWTAQITQYRQFRAEAEFRY 180  
 Db 124 GCDVGSDDGRFLRGYHAYDGKDYIAKEDLRSWTAADMAAQTTKWEAHRVQLRAY 183

Qy 181 LEGECLLERLRYLENCELETQRADPKAHYAHHPISDHEATLRCWALGYPAAETLTWQR 240  
 Db 184 LEGTCVBLRLRYLENCELETQRADPKAHYAHHPISDHEATLRCWALSSYPAAETLTWQR 243

Qy 241 DGEHQQTDTLVETRPAGDTFQKQAAVWVPSGEQRYCHVQHGLPQTLRWEQSQ 300  
 Db 244 DGEDQTDTLVETRPAGDTFQKQAAVWVPSGEQRYCHVQHGLPQTLRWEQSQ 303

Qy 301 PTIPIVGIVAGLVLVGAATGAVVAAWVWRKSSDRNGSYSSQAAVTDQAQSGSYVSLTAN 360  
 Db 304 PTIPIVGIVAGLVLVGAATGAVVAAWVWRKSSDRNGSYSSQAAVTDQAQSGSYVSLTAC 363

Qy 361 KV 362  
 Db 364 KV 365

RESULT 5  
 US-08-834-497A-23  
 Sequence 23, Application US/08834497A  
 Patent No. 6140305

GENERAL INFORMATION:  
 APPLICANT: Thomas, Winston J.  
 APPLICANT: Drayna, Dennis T.  
 APPLICANT: Feder, John N.  
 APPLICANT: Gniurke, Andreas  
 APPLICANT: Ruddy, David  
 APPLICANT: Tsuchihashi, Zenta  
 APPLICANT: Wolff, Roger K.

TITLE OF INVENTION: HEREDITARY HEMOCHROMATOSIS GENE PRODUCTS

NUMBER OF SEQUENCES: 76

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds LLP  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036-2811

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: Windows 95  
 SOFTWARE: FastSEQ for Windows Version 2.0b  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/834,497A  
 FILING DATE: 04-APR-1997  
 CLASSIFICATION: 514

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/652,265  
 FILING DATE: 23-MAY-1996

CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 PRIOR APPLICATION NUMBER: US 08/632,673  
 FILING DATE: 16-APR-1996  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/630,912  
 FILING DATE: 04-APR-1996  
 CLASSIFICATION: 514  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 REFERENCE DOCKET NUMBER: 8907-0056-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-493-4935  
 TELEFAX: 650-493-5556  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 23:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..365  
 OTHER INFORMATION: /note= "Human Major Histocompatibility  
 OTHER INFORMATION: Class I (MHC) protein"  
 US-08-834-497A-23

Query Match 77.9%; Score 1497; DB 2; Length 365;

Best Local Similarity 77.9%; Pred. No. 1e-139; Matches 282; Conservative 0; Gaps 0;

Matches 282; Conservative 0; Gaps 0; Indels 0;

Query 1 MAPRSLLLSSGALATDTWAGSHSLRYFSTAVSRPGRGEPRIAYEVYDDTQFLRFDSD 60

Db 1 MAPRTLVLLSSGALATDTWAGSHSLRYFSTAVSRPGRGEPRIAYEVYDDTQFLRFDSD 63

Qy 61 AAIPRMEPREPTEQEQPQYWETGTYAKANAQTDRVALNLLRTRYNQSEAGSHTLQGMN 120

Db 64 AASQRMERPRAPTEQESEPYNDGETRKVKAISQTHRVDLGLTRGYNQSEAGSHTLQMMF 123

Qy 121 GCDMGPDRGLLRLGTYHQAYDGDYIISNEDRSWTAADTVQITQRFYAEYAEFPRY 180

Db 124 GCDVGSDDWRFRLGTYHQAYDGDYIAKEDRSWTAADMAQTTRKWEAHVAEOLRAY 183

Qy 181 LEGECLLELLRLRLYLENLTLQRDADPDKAYAHHPISDHEATLRCWALGYPAAEITLTWQR 240

Db 184 LEGTCVWHLRLYLENLTLQRDADPDKAYAHHPISDHEATLRCWALGYPAAEITLTWQR 243

Qy 241 DGBEBOTQDTTELVTTRPAGDTQPKQWKAAVVVSGEQRTCHVQHEGLPQPLLIRNEQSPQ 300

Db 244 DGBEDOTQDTTELVTTRPAGDTQPKQWKAAVVVSGEQRTCHVQHEGLPQPLLIRWEPSQ 303

Qy 301 FPIPIVGIVAGLVLGVAVGVTGAVVAAWWRKSSDRKGCGTSQAVSSDQAQSDVSLTAC 360

Db 304 FPIPIVGIVAGLVLGVAVGVTGAVVAAWWRKSSDRKGCGTSQAVSSDQAQSDVSLTAC 363

Qy 361 KV 362

Db 364 KV 365

Qy 77.9%; Score 1497; DB 2; Length 365;

Best Local Similarity 77.6%; Pred. No. 1e-139; Matches 29; Mismatches 52; Indels 0; Gaps 0;

Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;

Query Match 77.9%; Score 1497; DB 2; Length 365;

Best Local Similarity 77.6%; Pred. No. 1e-139; Matches 29; Mismatches 52; Indels 0; Gaps 0;

Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;

Query 1 MAPRSLLLSSGALATDTWAGSHSLRYFSTAVSRPGRGEPRIAYEVYDDTQFLRFDSD 60

Db 4 MAPRTLVLLSSGALATDTWAGSHSLRYFSTAVSRPGRGEPRIAYEVYDDTQFLRFDSD 63

Qy 61 AAIPRMEPREPTEQEQPQYWETGTYAKANAQTDRVALNLLRTRYNQSEAGSHTLQGMN 120

Db 64 AASQRMERPRAPTEQESEPYNDGETRKVKAISQTHRVDLGLTRGYNQSEAGSHTLQMMF 123

Qy 121 GCDMGPDRGLLRLGTYHQAYDGDYIISNEDRSWTAADTVQITQRFYAEYAEFPRY 180

Db 124 GCDVGSDDWRFRLGTYHQAYDGDYIAKEDRSWTAADMAQTTRKWEAHVAEOLRAY 183

Qy 181 LEGECLLELLRLRLYLENLTLQRDADPDKAYAHHPISDHEATLRCWALGYPAAEITLTWQR 240

Db 184 LEGTCVWHLRLYLENLTLQRDADPDKAYAHHPISDHEATLRCWALGYPAAEITLTWQR 243

Qy 241 DGEEQQTDTTELVTTRPAGDTQPKQWKAAVVVSGEQRTCHVQHEGLPQPLLIRNEQSPQ 300

Db 244 DGEDQQTDTTELVTTRPAGDTQPKQWKAAVVVSGEQRTCHVQHEGLPQPLLIRWEPSQ 303

Qy 301 PTIPIVGIVAGLVLGVAVGVTGAVVAAWWRKSSDRKGCGTSQAVSSDQAQSDVSLTAC 360

Db 304 PTIPIVGIVAGLVLGVAVGVTGAVVAAWWRKSSDRKGCGTSQAVSSDQAQSDVSLTAC 363

Qy 361 KV 362

Db 364 KV 365

Qy 77.9%; Score 1497; DB 2; Length 365;

Best Local Similarity 77.6%; Pred. No. 1e-139; Matches 29; Mismatches 52; Indels 0; Gaps 0;

Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;

Query Match 77.9%; Score 1497; DB 2; Length 365;

Best Local Similarity 77.6%; Pred. No. 1e-139; Matches 29; Mismatches 52; Indels 0; Gaps 0;

Matches 281; Conservative 29; Mismatches 52; Indels 0; Gaps 0;

Query 1 MAPRSLLLSSGALATDTWAGSHSLRYFSTAVSRPGRGEPRIAYEVYDDTQFLRFDSD 60

Db 4 MAPRTLVLLSSGALATDTWAGSHSLRYFSTAVSRPGRGEPRIAYEVYDDTQFLRFDSD 63

Qy 61 AAIPRMEPREPTEQEQPQYWETGTYAKANAQTDRVALNLLRTRYNQSEAGSHTLQGMN 120

Db 64 AASQRMERPRAPTEQESEPYNDGETRKVKAISQTHRVDLGLTRGYNQSEAGSHTLQMMF 123

Qy 121 GCDMGPDRGLLRLGTYHQAYDGDYIISNEDRSWTAADTVQITQRFYAEYAEFPRY 180

Db 124 GCDVGSDDWRFRLGTYHQAYDGDYIAKEDRSWTAADMAQTTRKWEAHVAEOLRAY 183

RESULT 6  
 US-08-819-371-4.ra1  
 Sequence 100, Application US/08370476  
 GENERAL INFORMATION:  
 Applicant: Mottez, Estelle  
 Applicant: Abastado, Jean-Pierre  
 Applicant: Kourilsky, Philippe  
 Applicant: Lone, Yu-Chun

APPLICANT: Ojcius, David  
 APPLICANT: Carrouge, Armando  
 TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 NUMBER OF INVENTION:  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Garrett & Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/370,476  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/117,575  
 FILING DATE: 07-SEP-1993  
 APPLICATION NUMBER: US 08/072,787  
 FILING DATE: 06-JUN-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meyers, Kenneth J.  
 REFERENCE/DOCKET NUMBER: 25,146  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 100:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: Peptide  
 FILING DATE: US-08-370-476-100

Db 304 PTIPVGIGIAGLYLFGAVITGAVVAAVWRRKSSDRKGGSYSQAASSPDSAGSDVSLTAC 363  
 Qy 361 KV 362  
 Db 364 KV 365

RESULT 7  
 US-09-503-444A-23  
 Sequence 23, Application US/09503444A  
 Patent No. 6228594  
 GENERAL INFORMATION:  
 APPLICANT: Thomas, Winston J.  
 APPLICANT: Drayna, Dennis T.  
 APPLICANT: Feder, John N.  
 APPLICANT: Gnilke, Andreas  
 APPLICANT: Ruddy, David  
 APPLICANT: Tsuchihashi, Zenta  
 APPLICANT: Wolfe, Roger K.  
 TITLE OF INVENTION: Hereditary Hemochromatosis Gene  
 NUMBER OF SEQUENCES: 44  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Penning & Edmonds LLP  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk.  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: Windows 95  
 SOFTWARE: WordPerfect Version 8  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/503, 444A  
 FILING DATE: 14-Feb-2000  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/652, 265  
 FILING DATE: 23-May-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/632, 673  
 FILING DATE: 16-Apr-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/630, 912  
 FILING DATE: 04-Apr-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28, 462  
 REFERENCE/DOCKET NUMBER: 8907-0088-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-750-9090  
 TELEFAX: 212-869-9741  
 TELEX: 66141  
 INFORMATION FOR SEQ ID NO: 23:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 STRANDBEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..365  
 OTHER INFORMATION: /note= "Human Major Histocompatibility  
 OTHER INFORMATION: Class I (MHC) protein"  
 US-09-503-444A-23

Query Match 77.9%; Score 1497; DB 2; Length 365;  
 Best Local Similarity 77.9%; Pred. No. 1e-139;  
 Matches 282; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

1 MAPRSULLLSGALALTDTWAGSHSLRYFSTAVSRPGRGRPRYIAVEYDDTQFLRFDS 60

Db 4 MAPRTLVILLSSALALTDTWAGSHSLRYFSTAVSRPGRGRPRYIAVEYDDTQFLRFDS 63  
 Qy 61 AAIPRMEPREPMEPQEPQNEWTGYAKANAOQTDRVALNLLRNYNQSEAGSHTLQGMN 120  
 Db 64 AASQKMEPRAPIWEEQEPYWDGETRKYKAHSQTHRLGTLRQGYNNQSEAGSHTLQMMF 123  
 Qy 121 GCDMGPGDRLRGYQHAYDGKDYISLINEDELSWTAADTAQITQREYABYABEPRY 180  
 Db 124 GCDVGSQWRLRGHQYAYDGKDYIAKEDLSWTAADMAQTTKHWEAHVAEQLRAY 183  
 Qy 181 LEGCQELLRLYYLENGLTQDAPPKAHRHPSDHEATLRCWALGFYPAEITLTWQR 240  
 Db 184 LEGTQEWLRLYYLENGKETLQTDAPKTHMTHAVSDHEATLRCWALSFPAEITLTWQR 243  
 Qy 241 DGBEQQDQDTLVETRPAGDGTFQKWAQVPSGEBQRTCHVQHESLPOPILRLYBOSQ 300  
 Db 244 DGBDQDQDTLVETRPAGDGTFQKWAQVPSGQEBQRTCHVQHESLPKPLTLPWFSSQ 303  
 Qy 301 PTIPIVGIVASLVLGVAVTGAQVAVWWRKSSDNRGYSQAVAVTDSAGSGSILTAN 360  
 Db 304 PTIPIVGIVASLVLGVAVTGAQVAVWWRKSSDNRGYSQAVAVTDSAGSGSILTAN 363  
 Qy 361 KV 362  
 Db 364 KV 365

RESULT 8  
 US-08-484-905-99  
 Sequence 99, Application US/08484905  
 Patent No. 5376551  
 GENERAL INFORMATION:  
 APPLICANT: Mortez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Philippe  
 TITLE OF INVENTION: An Altered Major Histocompatibility Complex(MHC) Determinant and Methods for Using the Determinant  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Finnegan, Henderson, Farabow, Garrett & Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy Disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS-MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484, 905  
 FILING DATE: 07-JUNE-1995  
 CLASIFICATION: 530  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801, 818  
 FILING DATE: 15-NOV-1991  
 CLASIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Peter, Jane E. R.  
 REGISTRATION NUMBER: 33, 332  
 INFORMATION FOR SEQ ID NO: 99:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 STRANDBEDNESS:  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..365  
 OTHER INFORMATION: /note= "Human Major Histocompatibility  
 OTHER INFORMATION: Class I (MHC) protein"

LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-484-905-99

Query Match      Score 1494: DB 1; Length 365;  
 Best Local Similarity 77.3%; Pred. No. 2e-139;  
 Matches 280;      Mismatches 52;      Indels 0;      Gaps 0;

Qy 1 MAPRSLLLGGALALTDTWAGSHSLRYFSTAVSRPGRGEPYRIAYEVYDDTOFLRFDS 60  
 Db 4 MAPRTLVLGGALALTDTWAGSHSLRYFSTAVSRPGRGEPYRIAYEVYDDTOFLRFDS 63

Qy 61 AAIIPMEPREPWQGPQYWBTGTYAKANAQDDEVALANLLRYYNQSEAGSHTLGMN 120  
 Db 64 AASQRMERPAWIEQGPETMDGEKVKAKHSQTHRVDLSLRYGYNQSEAGSHTVQRY 123

Query Match      Score 1494; DB 1; Length 365;  
 Best Local Similarity 77.3%; Pred. No. 2e-139;  
 Matches 280;      Mismatches 53;      Indels 0;      Gaps 0;

Qy 1 MAPRSLLLGGALALTDTWAGSHSLRYFSTAVSRPGRGEPYRIAYEVYDDTOFLRFDS 60  
 Db 4 MAPRTLVLGGALALTDTWAGSHSLRYFSTAVSRPGRGEPYRIAYEVYDDTOFLRFDS 63

Qy 61 AAIIPMEPREPWQGPQYWBTGTYAKANAQDDEVALANLLRYYNQSEAGSHTLGMN 120  
 Db 64 AASQRMERPAWIEQGPETMDGEKVKAKHSQTHRVDLSLRYGYNQSEAGSHTVQRY 123

Query Match      Score 1494; DB 1; Length 365;  
 Best Local Similarity 77.3%; Pred. No. 2e-139;  
 Matches 280;      Mismatches 53;      Indels 0;      Gaps 0;

Qy 1 MAPRSLLLGGALALTDTWAGSHSLRYFSTAVSRPGRGEPYRIAYEVYDDTOFLRFDS 60  
 Db 4 MAPRTLVLGGALALTDTWAGSHSLRYFSTAVSRPGRGEPYRIAYEVYDDTOFLRFDS 63

Qy 61 AAIIPMEPREPWQGPQYWBTGTYAKANAQDDEVALANLLRYYNQSEAGSHTLGMN 120  
 Db 64 AASQRMERPAWIEQGPETMDGEKVKAKHSQTHRVDLSLRYGYNQSEAGSHTVQRY 123

Qy 121 GCDMPGDPGLLRLRGYHQAQGDYDTSNEDLRSWTAADTYAQTORFYEABEYAEFRY 180  
 Db 124 GCDVGSDGRFLRLRGYHQAQGDYDALKEDRSWTAADMAQTTKHWTAHEAQWRY 183

Qy 181 LEGRCLELLRLRYLENSLETLQRADPPKAYAHHPISDHBEATLRCWALGYPAAETLTWQR 240  
 Db 184 LEGTCYEWRLRYLENSKETLQRDFTKTHNTHVAISDHBEATLRCWALSFSPAETLTWQR 243

Qy 241 DGEHQDQDTELVEPTRADGTFQKRAVAVVPSGEORYTCHVQHGLPQPLLRLMEQSPQ 300  
 Db 244 DGEDQDQDTELVEPTRADGTFQKRAVAVVPSGEORYTCHVQHGLPQPLLRLMEQSPQ 303

Qy 301 PTIPVGIAGLVLGAVTSGAVVAVMWRKSSDRNGSYSSOAAVTDQAQGSVSLTN 360  
 Db 304 PTIPVGIAGLVLGAVTSGAVVAVMWRKSSDRKGGSYSQAASSDQAQSDVSLTAC 363

Qy 361 KV 362  
 Db 364 KV 365

RESULT 9  
 US-08-484-905-104  
 Sequence 104, Application US/08484905  
 Patent No. 5916551  
 GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Philippe  
 TITLE OF INVENTION: An Altered Major Histocompatibility Complex (MHC) Determinant and Methods for Using the  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484,905  
 FILING DATE: 07-JUNE-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473

RESULT 10  
 US-08-484-985B-99  
 Sequence 99, Application US/08481985B  
 Patent No. 601116  
 GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Philippe  
 ADDRESS: Finnegan, Henderson, Farabow, Garrett & Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/481, 985B  
 FILING DATE: 07-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801, 818  
 FILING DATE: 05-DEC-1991  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meyers, Kenneth J.  
 REGISTRATION NUMBER: 25, 146  
 REFERENCE/DOCKET NUMBER: 03495.0106-04000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 99:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: Peptide  
 US-08-481-985B-99

Query Match 77.7% Score 1494; DB 2; Length 365;  
 Best Local Similarity 77.3%; Pred. No. 2e-139;  
 Matches 280; Conservative 30; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSSGALALTWAGSHSRYLRFSTAVSRPGRGEPRYIAVEYDDTQPLRPFSD 60  
 Db 4 MAPRTLVLSSGALALTQWAGSHSRYFFTSVSRPGRGPRIAYVDDTQFQFQFSD 63

Qy 61 AAIPRMRPREPWTQEGPQWETWTTGAKANQATDVALNLLRNYNQSEGSHTLQGMN 120  
 Db 64 AAQRQMRPAPRPTQEGPQWEDGETRKVAKNSOTHVDSLSTLRGTYNQSEGSHTVQMY 123

Qy 121 GCDMGPDGRLRQHGDYISNEDRSWTAADTAQITRPFYAEAYAEFRYI 180  
 Db 124 GCDVGSIGRFLRGHQYQDGGDYLALKEDRSWTAADMAQTTKWKWTAHEAWRAY 183

Qy 181 LEGECLLRLRLYLENGLETLQRADPAAHVAAHPPISDHEATLRCWALGYPAAITLTWQR 240  
 Db 184 LEGTCEWLRRLYLENGLETLQRADPAAHVAAHPPISDHEATLRCWALGYPAAITLTWQR 243

Qy 241 DGERBOTDTTELVEPTRDAGDGPQKWAIAVWPSGBCERTCHVQHEGLPQPLILRNEQSPQ 300  
 Db 244 DGEDQDTDTTELVEPTRDAGDGPQKWAIAVWPSGQBCERTCHVQHEGLPQPLTPWEPSSQ 303

Qy 301 PTIPIVGIVAGLVLGVAVITGAIVVAVMWRKGSDDNRGTSQAATVSDAGSGVSLTAN 360  
 Db 304 PTIPIVGIVAGLVLGVAVITGAIVVAVMWRKGSDDNRGTSQAASSDQAQGSDVSLTAC 363

Qy 361 KV 362  
 Db 364 KV 365

Qy 241 DGEETQDTTELVEPTRDAGDGPQKWAIAVWPSGBCERTCHVQHEGLPQPLILRNEQSPQ 300  
 Db 244 DGEDQDTTELVEPTRDAGDGPQKWAIAVWPSGQBCERTCHVQHEGLPQPLTPWEPSSQ 303

RESULT 11  
 US-08-481-985B-104  
 ; Sequence 104, Application US/08481985B  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mottez, Estelle  
 ; APPLICANT: Abactado, Jean-Pierre  
 ; APPLICANT: Kourilsky, Philippe  
 ; TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 ; TITLE OF INVENTION:  
 ; NUMBER OF SEQUENCES: 148  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Finnegan, Henderson, Parabow, Garrett &

Patent No. 6153408  
 GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Philippe  
 APPLICANT: Lone, Yu-Chun  
 APPLICANT: Ojcius, David  
 APPLICANT: Caerouge, Amanda  
 TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 TITLE OF INVENTION:  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/370,476  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/117,575  
 FILING DATE: 07-SEP-1993  
 APPLICATION NUMBER: US 08/072,787  
 FILING DATE: 06-JUN-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meyers, Kenneth J.  
 REFERENCE/DOCKET NUMBER: 25,146  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 99:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-370-476-99

Query Match 77.7%; Score 1494; DB 2; Length 365;  
 Best Local Similarity 77.3%; Pred. No. 2e-139;  
 Matches 280; Conservative 52; Mismatches 52; Gaps 0;

Qy 1 MAPRSLLLISGALALTDTWAGSHSLRYPFSTAVSRPQRGEPRYIAVEYDDTQPLRFSD 60  
 Db 4 MAPRTVLLISGALALTCTWAGSHSLRYPFSTAVSRPQRGEPRFIAVYDDTQPLRFSD 63

Qy 61 AAIPRMFEPREPVEQEGQYMWTTGIAKANQTDYRALNLLRRTQSEAGSHTLQGMN 120  
 Db 64 AASQRMERAPWIEQEGEYWDGETRKYKAQTHYDLSIRGYNQSEAGSHTVQMY 123

Qy 121 GCDMGPGDGLLRLGQHAYDGGDKYISINEDLRSWTAADTVQITOREYAEFFRY 180  
 Db 124 GCDVGSDDRFLRLGQHAYDGGDIAKEDRSWTAADMAAGTTHKWEWAEBWRY 183

Query Match 77.7%; Score 1494; DB 2; Length 365;  
 Best Local Similarity 77.3%; Pred. No. 2e-139;  
 Matches 280; Conservative 29; Mismatches 53; Gaps 0;

Qy 181 LEGECLLRLRRLYLENLTLQRDPPKARVATHPISDHEATLRCWALGYPAEITLWQR 240  
 Db 184 LERCTCWLRLRRLYLENLTLQRDPPKARVATHPISDHEATLRCWALSYPAEITLWQR 243

1 MAPRSLLLSSGALATTWAGSHSLRYPFSTAVSRPGRGEPRYIAVBYVDDTQFLRFDSD 60  
 4 MAPTRVLVLLSSGALATTWAGSHSLRYPFSTAVSRPGRGEPRYIAVBYVDDTQFLRFDSD 63  
 Qy 61 AAIPRMEPREPWPWVQEQQPOWENTTGYAKANAOQTDRVLAFLRLRYYNSSEASHTLQGMN 120  
 Db 64 AASORMERAPWIEPQEGBYWDNFNTVYKAQSTDRVLSLRLYYNSSEASHTIQMMY 123  
 Qy 121 GCDMGPDGRLLRLGGYQHAYDGDYQISNEDLSWTAATVQITQRPYEAEBTY 180  
 Db 124 GCDVGSDRERFLRGYQDGYDGDYQISNEDLSWTAATVQITQRPYEAEBTY 183  
 Qy 181 LEGSCCLLRLRLYENGLLETLQADPDKHVAHPISDHEATLRCWALGFPYPAEITLWQ 240  
 Db 184 LEGTCVETWRLRLYENGLLETLQADPDKHVAHPISDHEATLRCWALGFPYPAEITLWQ 243  
 Qy 241 DGRBQQTQDTELVETRPAGDGTQPKWAAWVPSGEQRTYCHYQHEGLPQPLILRWEQSPQ 300  
 Db 244 DGBDQQTQDTELVETRPAGDGTQPKWAVVPSGEQRTYCHYQHEGLPQPLILPWEPSQ 303  
 Qy 301 PTIPIVGIVAGLWLGAWTGAVAAWMRKSSDRNGSNSQAAVTSQAQGSVSLAN 360  
 Db 304 PTIPIVGIVAGLWLGAWTGAVAAWMRKSSDRKGGSNSQAAASSDSAQGSVSLTAC 363  
 Qy 361 KV 362  
 Db 364 KV 365

RESULT 14

Sequence 97, Application US/08484905

Patent No. 5976551

GENERAL INFORMATION:

APPLICANT: Mottez, Estelle

APPLICANT: Abasrado, Jean Pierre

APPLICANT: Kourilsky, Philippe

TITLE OF INVENTION: An Altered Major Histocompatibility

TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the

TITLE OF INVENTION: Determinant

NUMBER OF SEQUENCES: 127

CORRESPONDENCE ADDRESS:

ADDRESSSEE: Finnegan, Henderson, Farabow, Garrett &amp;

ADDRESSSEE: Dunner

CITY: Washington

STATE: D.C.

ZIP: 20005-3315

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,905

FILING DATE: 07-JUNE-1995

CLASSIFICATION: 530

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 07/801,818

FILING DATE: 05-DEC-1991

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Potter, Jane E. R.

REGISTRATION NUMBER: 33,332

REFERENCE DOCKET NUMBER: 03495.0106-03000

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-408-4400

TELEFAX: 202-408-4400

INFORMATION FOR SEQ ID NO: 97:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: Peptide  
 US-08-484-905-97

Query Match 77.5%; Score 1490; DB 1; Length 365;  
 Best Local Similarity 77.3%; Pred. No. 5.1e-139; Mismatches 53; Indels 0; Gaps 0;

Matches 280; Conservative 29; Mismatches 53; Indels 0; Gaps 0;

1 MAPRSLLLSSGALATTWAGSHSLRYPFSTAVSRPGRGEPRYIAVBYVDDTQFLRFDSD 60  
 4 MAPTRVLVLLSSGALATTWAGSHSLRYPFSTAVSRPGRGEPRYIAVBYVDDTQFLRFDSD 63  
 Qy 121 GCDMGPDGRLLRLGGYQHAYDGDYQISNEDLSWTAATVQITQRPYEAEBTY 180  
 Db 124 GCDVGSDRERFLRGYQDGYDGDYQISNEDLSWTAATVQITQRPYEAEBTY 183  
 Qy 181 LEGSCCLLRLRLYENGLLETLQADPDKHVAHPISDHEATLRCWALGFPYPAEITLWQ 240  
 Db 184 LEGTCVETWRLRLYENGLLETLQADPDKHVAHPISDHEATLRCWALGFPYPAEITLWQ 243  
 Qy 241 DGRBQQTQDTELVETRPAGDGTQPKWAAWVPSGEQRTYCHYQHEGLPQPLILRWEQSPQ 300  
 Db 244 DGBDQQTQDTELVETRPAGDGTQPKWAVVPSGEQRTYCHYQHEGLPQPLILPWEPSQ 303  
 Qy 301 PTIPIVGIVAGLWLGAWTGAVAAWMRKSSDRNGSNSQAAVTSQAQGSVSLAN 360  
 Db 304 PTIPIVGIVAGLWLGAWTGAVAAWMRKSSDRKGGSNSQAAASSDSAQGSVSLTAC 363  
 Qy 361 KV 362  
 Db 364 KV 365

RESULT 15  
 US-08-484-905-98

Sequence 98, Application US/08484905  
 Patent No. 5976551

GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abasrado, Jean Pierre  
 APPLICANT: Kourilsky, Philippe  
 TITLE OF INVENTION: An Altered Major Histocompatibility  
 TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the  
 TITLE OF INVENTION: Determinant  
 NUMBER OF SEQUENCES: 127

CORRESPONDENCE ADDRESS:  
 ADDRESSSEE: Finnegan, Henderson, Farabow, Garrett &  
 ADDRESSSEE: Dunner

STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.

ZIP: 20005-3315

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy Disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,905

FILING DATE: 07-JUNE-1995

CLASSIFICATION: 530

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 07/801,818

FILING DATE: 05-DEC-1991

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Potter, Jane E. R.

REGISTRATION NUMBER: 33,332

REFERENCE DOCKET NUMBER: 03495.0106-03000

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-408-4400

TELEFAX: 202-408-4400

INFORMATION FOR SEQ ID NO: 97:

APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Potter, Jane E. R.  
 REFERENCE/DOCKET NUMBER: 33-332  
 TELECOMMUNICATION INFORMATION:  
 TELEFAX: 202-408-4000  
 TELEPHONE: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 98:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-484-905-98

Query Match 77.5%; Score 1490; DB 1; Length 365;

Best Local Similarity 77.3%; Pred. No. 5.1e-139;  
 Matches 280; Conservative 29; Mismatches 53; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSGALALTDTWAGSHSLRYPSTAVSPRGGRGBRYIAVEYDDTOPLRFDS 60  
 Db 4 MAPRTLVLISGALALTDTWAGSHSLRYPSTAVSPRGGRGBRYIAVEYDDTOPLRFDS 63  
 Qy 61 AAIIPMEPREPWNVEQGPQYEWITGYAKANAQTRVALNLRLRYNQSEAGSHTLQGMN 120  
 Db 64 AASQRMEPAPWIEQGPSEYDGETRKVAKHSQTRVDSLSTLRGYNQSEAGSHTVQMY 123  
 Qy 121 GCDMGPPGDRLLRGYHOOHYDGKDYISLNEDLRSWTAADTYAQTORFYAEYEAEFRY 180  
 Db 124 GCDVGSDWRFLRGYHOOHYDGKDYALKEDLRSWTAADMAQTTKHKWAAHVAQRLRAY 183  
 Qy 181 LEGECLLELLRRLYLENSLLETQDAPPKAVAHHPISDHAEATLRCWALGFYPAEITLTWQR 240  
 Db 184 LEGTCYEWRLREYLENKEITLQRTDKTHMTTHAVIDHEATLRCWALSFYPAEITLTWQR 243  
 Qy 241 DGEBCQDQTELVETRPAGDTQPKWAAVVPSGEEFRTVQHQLPQPLLRLRMEQSPQ 300  
 Db 244 DGEDQDQTELVETRPAGDTQPKWAAVVPSGEQRTVQHQLPQPLPNEPSSQ 303  
 Qy 301 PTIPIVGIVAGIIVVGLGAVVTAAGVVAAMWRCKSSDENRGSYSSQAATVDAAGSGCVSLTAN 360  
 Db 304 PTIPIVGIATGIVLVLGAVVTAAGVVAAMWRCKSSDRKGGSYSSQAASSDQAQSDVSLTAC 363  
 Qy 361 KV 362  
 Db 364 KV 365

Search completed: April 7, 2006, 12:41:56  
 Job time : 36.7321 sec

Result No.	Score	Query Match	Length	DB ID	Description
1	1922	100.0	362	3	US-09-819-371-4
2	1916	99.7	362	4	US-10-257-021-82
3	1838	99.7	362	5	US-10-467-624
4	1838	95.6	442	4	US-10-408-765A-1887
5	1775	92.4	677	5	US-10-450-763-57095
6	1539	80.1	365	5	US-10-741-600-941
7	1518	79.0	365	5	US-10-287-432A-179
8	1518	79.0	365	5	US-10-287-432A-1268
9	1509	78.5	365	4	US-10-741-601-325
10	1509	78.5	365	4	US-10-741-601-326
11	1509	78.5	365	5	US-10-741-600-939
12	1508	78.5	365	5	US-10-741-600-940
13	1508	78.5	362	5	US-10-631-467-728
14	1497	77.9	365	4	US-10-138-888-23
15	1496.5	77.9	379	4	US-10-033-463-78
16	1486.5	77.9	379	4	US-10-210-172-160
17	1489	77.5	274	3	US-09-819-371-5
18	1474	76.7	362	5	US-10-287-432A-120
19	1474	76.7	362	5	US-10-287-432A-1260
20	1469	76.4	365	5	US-10-128-558-136
21	1455.5	75.9	366	5	US-10-287-432A-162
22	1455.5	75.9	366	5	US-10-287-432A-1257
23	1459.5	75.9	366	5	US-10-287-432A-1267
24	1455.5	75.9	366	5	US-10-287-432A-1267
25	1424	74.1	338	4	US-10-741-601-380
26	1424	74.1	338	4	US-10-741-601-388
27	1424	74.1	338	5	US-10-741-600-1134

RESULT 2  
 US-10-257-021-82  
 / Sequence 82, Application US/10257021  
 / Publication No. US20030211498A1  
 / GENERAL INFORMATION  
 / APPLICANT: Morin, Patrice J.  
 / APPLICANT: Sherman-Bauist, Cheryl A.  
 / APPLICANT: Pizer, Ellen S.  
 / APPLICANT: Hough, Colleen D.  
 / TITLE OF INVENTION: TUMOR MARKERS IN OVARIAN CANCER  
 / FILE REFERENCE: 14014.0369U2  
 / CURRENT FILING DATE: 2002-10-03  
 / PRIOR APPLICATION NUMBER: PCT/US01/10947  
 / PRIOR FILING DATE: 2001-04-03  
 / PRIOR APPLICATION NUMBER: 60/194,336  
 / PRIOR FILING DATE: 2000-04-03  
 / NUMBER OF SEQ ID NOS: 147  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 82  
 / LENGTH: 362  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 / US-10-257-021-82

Query Match 99.7%; Score 1916; DB 4; Length 362;  
 Best Local Similarity 99.7%; Pred. No. 8.3e-171;  
 Matches 361; Conservative 0; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSSGALALTDTWAGSHSLRPFYAVSRGGRGEPYIAVEYDDTQFLRFSD 60  
 Db 1 MAPRSLLLSSGALALTDTWAGSHSLRPFYAVSRGGRGEPYIAVEYDDTQFLRFSD 60  
 Qy 61 AAIPRMPREPMPVQECPQYEWTTGYAKANAQTDRVALNLLRRTNQSEAGSHTLQGMN 1.20  
 Db 61 AAIPRMPREPMPVQECPQYEWTTGYAKANAQTDRVALNLLRRTNQSEAGSHTLQGMN 1.20  
 Qy 121 GCDMGPGRLLRGYHQHAYDGDYISNEDLRSWTAADTVQITQFYEAEYAEFFRTY 180  
 Db 121 GCDMGPGRLLRGYHQHAYDGDYISNEDLRSWTAADTVQITQFYEAEYAEFFRTY 180  
 Qy 181 LEGECLLELLRRLYLENGLETLQRADPPKAHVAAHPISDHEATLRCWALGFYPAEITLTWQR 240  
 Db 181 LEGECLLELLRRLYLENGLETLQRADPPKAHVAAHPISDHEATLRCWALGFYPAEITLTWQR 240  
 Qy 241 DGBEQQTDTELVTRPAGDTFQKWAQVVPSGEORYTCHVQHEGLPQPLLRLRNEQSPQ 300  
 Db 241 DGBEQQTDTELVTRPAGDTFQKWAQVVPSGEORYTCHVQHEGLPQPLLRLRNEQSPQ 300  
 Qy 301 PTIPIVGIVAGLVLGVAVTTGAAVAVMWRKSSDRNRSYSQAAYTDSAQGSVSLTN 360  
 Db 301 PTIPIVGIVAGLVLGVAVTTGAAVAVMWRKSSDRNRSYSQAAYTDSAQGSVSLTN 360  
 Qy 361 KV 362  
 Db 361 KV 362

RBSLT 4  
 US-10-408-765A-1887  
 / Sequence 1887, Application US/10408765A  
 / Publication No. US20040101874A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Ghosh, Soumitra S.  
 / APPLICANT: Boin, Dale D.  
 / APPLICANT: Zhang, Bing  
 / APPLICANT: Gibson, Bradford W.  
 / APPLICANT: Taylor, Steven W.  
 / APPLICANT: Glenn, Gary M.  
 / APPLICANT: Warrock, Dale E.  
 / TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
 / TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME  
 / FILE REFERENCE: 660088 465  
 / CURRENT APPLICATION NUMBER: US/10/408,765A  
 / CURRENT FILING DATE: 2003-04-04  
 / NUMBER OF SEQ ID NOS: 3077  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 1887  
 / LENGTH: 442  
 / TYPE: PRT  
 / ORGANISM: Homo sapiens  
 / US-10-408-765A-1887

RESULT 3  
 US-10-631-467-624  
 / Sequence 624, Application US/10631467  
 / GENERAL INFORMATION:  
 / APPLICANT: Genox Research Inc.  
 / TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive p  
 / FILE REFERENCE: 3462.1005-000  
 / CURRENT APPLICATION NUMBER: US/10/631,467  
 / CURRENT FILING DATE: 2003-07-31  
 / PRIOR APPLICATION NUMBER: JP 2003-077212  
 / PRIOR FILING DATE: 2003-03-20

Query Match 99.7%; Score 1916; DB 5; Length 362;  
 Best Local Similarity 99.7%; Pred. No. 8.3e-171;  
 Matches 361; Conservative 0; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSSGALALTDTWAGSHSLRPFYAVSRGGRGEPYIAVEYDDTQFLRFSD 60  
 Db 1 MAPRSLLLSSGALALTDTWAGSHSLRPFYAVSRGGRGEPYIAVEYDDTQFLRFSD 60  
 Qy 61 AAIPRMPREPMPVQECPQYEWTTGYAKANAQTDRVALNLLRRTNQSEAGSHTLQGMN 1.20  
 Db 61 AAIPRMPREPMPVQECPQYEWTTGYAKANAQTDRVALNLLRRTNQSEAGSHTLQGMN 1.20  
 Qy 121 GCDMGPGRLLRGYHQHAYDGDYISNEDLRSWTAADTVQITQFYEAEYAEFFRTY 180  
 Db 121 GCDMGPGRLLRGYHQHAYDGDYISNEDLRSWTAADTVQITQFYEAEYAEFFRTY 180  
 Qy 181 LEGECLLELLRRLYLENGLETLQRADPPKAHVAAHPISDHEATLRCWALGFYPAEITLTWQR 240  
 Db 181 LEGECLLELLRRLYLENGLETLQRADPPKAHVAAHPISDHEATLRCWALGFYPAEITLTWQR 240  
 Qy 241 DGBEQQTDTELVTRPAGDTFQKWAQVVPSGEORYTCHVQHEGLPQPLLRLRNEQSPQ 300  
 Db 241 DGBEQQTDTELVTRPAGDTFQKWAQVVPSGEORYTCHVQHEGLPQPLLRLRNEQSPQ 300  
 Qy 301 PTIPIVGIVAGLVLGVAVTTGAAVAVMWRKSSDRNRSYSQAAYTDSAQGSVSLTN 360  
 Db 301 PTIPIVGIVAGLVLGVAVTTGAAVAVMWRKSSDRNRSYSQAAYTDSAQGSVSLTN 360  
 Qy 361 KV 362  
 Db 361 KV 362

Query Match 95.6%; Score 1838; DB 4; Length 442;  
 Best Local Similarity 98.0%; Pred. No. 2.3e-163;  
 Matches 345; Conservative 0; Indels 7; Gaps 0;

Qy 1 MAPRSLLLSSGALALTDTWAGSHSLRPFYAVSRGGRGEPYIAVEYDDTQFLRFSD 60

1 MAPSLILLISGALATTWAGSHSLRIFTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 60

Db 430 GCDMGPDGRLLRGYHQAHDGRDYISLNEDLSRSTAATTQFLRFSD 60

Qy 61 AAIPRMEPREPWTQEPGPOWENTTGYAKANACQTDRLVNLRLRYYNESEASHTLQGMN 120

Db 181 LEGCLELLRYYLENGLETQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 240

Db 61 AAIPRMEPREPWTQEPGPOWENTTGYAKANACQTDRLVNLRLRYYNESEASHTLQGMN 120

Db 490 LEGCLELLRYYLENGLETQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 549

Qy 121 GCDMGPDGRLLRGYHQAHDGRDYISLNEDLSRSTAATTQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 300

Db 241 DGBEQTQDTELVEPRPAGDTQFLQKWAAYVPGEBQSYTCVHQEGLPQPLLRLWQSQ 609

Db 121 GCDMGPDGRLLRGYHQAHDGRDYISLNEDLSRSTAATTQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 609

Qy 181 LEGCLELLRYYLENGLETQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 240

Db 550 DGBEQTQDTELVEPRPAGDTQFLQKWAAYVPGEBQSYTCVHQEGLPQPLLRLWQSQ 609

Qy 181 LEGCLELLRYYLENGLETQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 240

Db 301 PTIPIVGIVAGLVVGLGAVVTVGAVVAVMWRKSS 334

Db 610 PTIPIVGIVAGLVVGLGAVVTVGAVVAVMWRKSS 643

Qy 241 DGBEQTQDTELVEPRPAGDTQFLQKWAAYVPGEBQSYTCVHQEGLPQPLLRLWQSQ 300

Db 241 DGBEQTQDTELVEPRPAGDTQFLQKWAAYVPGEBQSYTCVHQEGLPQPLLRLWQSQ 300

Qy 301 PTIPIVGIVAGLVVGLGAVVTVGAVVAVMWRKSS 352

Db 301 PTIPIVGIVAGLVVGLGAVVTVGAVVAVMWRKSS 352

RESULT 6

US-10-741-600-941

Qy Sequence 941, Application US/10741600

Db Publication No. US2005026169A1

GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: C1001499

CURRENT APPLICATION NUMBER: US/10/741,600

CURRENT FILING DATE: 2003-12-22

NUMBER OF SEQ ID NOS: 73997

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 941

LENGTH: 365

TYPE: PRT

ORGANISM: Homo sapiens

US-10-741-600-941

Query Match 80.1%; Score 1539; DB 5; Length 365;

Best Local Similarity 80.1%; Pred. No. 2e-135; Mismatches 46; Indels 0; Gaps 0;

Matches 290; Conservative 26; Mismatches 46; Indels 0; Gaps 0;

Qy 1 MAPSLILLISGALATTWAGSHSLRIFTAVSRPGRGERYIAVYVDDTQFLRFSD 60

Db 4 MAPSLILLISGALATTWAGSHSLRIFTAVSRPGRGERYIAVYVDDTQFLRFSD 63

Qy 61 AAIPRMEPREPWTQEPGPOWENTTGYAKANACQTDRLVNLRLRYYNESEASHTLQGMN 120

Db 64 AASQRMEPRAPWIEQSGPEYDQETVNVKAQSDTQFLRLGTYNOSEASHTLQGMN 123

Qy 121 GCDMGPDGRLLRGYHQAHDGRDYISLNEDLSRSTAATTQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 240

Db 184 LDGTCVWLRYYLENGLETQFLRADPCKAHVAHHPISDHEATLRCWALGFYPAEITLTWQR 243

Qy 241 DGBEQTQDTELVEPRPAGDTQFLQKWAAYVPGEBQSYTCVHQEGLPQPLLRLWQSQ 300

Db 244 DGBEQTQDTELVEPRPAGDTQFLQKWAAYVPGEBQSYTCVHQEGLPQPLTWRNLSSQ 303

Qy 301 PTIPIVGIVAGLVVGLGAVVTVGAVVAVMWRKSS 360

Db 304 PTIPIVGIVAGLVVGLGAVVTVGAVVAVMWRKSS 363

RESULT 7

US-10-287-436A-179

Qy Sequence 179, Application US/1028743A

Db Publication No. US2005020242A1

GENERAL INFORMATION:

APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 TITLE OF INVENTION: RHEUMATOID ARTHRITIS  
 FILE REFERENCE: 10872\_514696  
 CURRENT APPLICATION NUMBER: US/10/287,436A  
 PRIOR APPLICATION NUMBER: US 60/336,220  
 PRIOR FILING DATE: 2002-10-31  
 NUMBER OF SEQ ID NOS: 1446  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 179  
 LENGTH: 365  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-287-436A-179

Query Match 79.0%; Score 1518; DB 5; Length 365;  
 Best Local Similarity 78.2%; Pred. No. 1.9e-133; Mismatches 48; Indels 0; Gaps 0;  
 Matches 283; Conservative 31; Gaps 0;

Qy 1 MAPRSILLISGALALTDTWAGSHSLRYFSTAVSRPGRGPRTYIAVEYVDDTQFLRFSD 60  
 Db 4 MAPRTVLLISGALLTQWAGSHMRFTVSPPGRGPRTFVQYVDDTQFLRFSD 63

Qy 61 AAIPMPEPREPWEGPQYEWTTGQYAKANAOPTVALNLLRYNOSEAGSHTLQGMN 120  
 Db 64 AASQMEPRAFWIEQGPWIEQGPPEYDRLTRVNAKHSOTRESLRALRYNOSEDSHTQRMY 123

Qy 121 GCDMGPDRGLRQYQHAYDGKDYISLNEEDLSRSTAADTVQITOPTFVYAEAEFRY 180  
 Db 124 GCDVGPDRFLRGYQDADGKDYISLNEEDLSRSTAADMAQITQKWTAEHQRAY 183

Qy 181 LEGCCLLRLRLYRYLENGLETQRADPPKAHYHPISDHEATLRCWALGFYPAETLTWQR 240  
 Db 184 LEGCCEWRLRLYRYLENGKETQRTDAPKTMTHAISDHEATLRCWALSFPAETLTWQR 243

Qy 241 DGEQOTDTELVEPTAGDGTQKWAAYVVPSEFORTCHVQHGLPQPLILMEQSPQ 300  
 Db 244 DGEDOTDTELVEPTAGDGTQKWAAYVVPSEFORTCHVQHGLPQPLILMEQSPQ 303

Qy 301 PTIPIVGIVAGLWIVGAVVTVQAVVAVMRKSSDRNRSYQSAAVTSDAQGSVSLTAN 360  
 Db 304 PTIPIVGIVGLVLFQAVIAGAVVAVMRKSSDRKGSSYQSAASSSDAQGDSMLTAC 363

Qy 361 KV 362  
 Db 364 KV 365

RESULT 9  
 US-10-741-601-325  
 ; Sequence 325; Application US/10741601  
 ; Publication No. US20040166119A1  
 ; GENERAL INFORMATION: CARGILL, Michele et al.  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001500  
 ; CURRENT APPLICATION NUMBER: US/10/741,601  
 ; CURRENT FILING DATE: 2003-12-22  
 ; NUMBER OF SEQ ID NOS: 26115  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 325  
 ; LENGTH: 365  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-741-601-325

Query Match 78.5%; Score 1509; DB 4; Length 365;  
 Best Local Similarity 78.5%; Pred. No. 1.3e-132; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRSILLISGALALTDTWAGSHSLRYFSTAVSRPGRGPRTYIAVEYVDDTQFLRFSD 60  
 Db 4 MAPRTVLLISGALLTQWAGSHMRFTVSPPGRGPRTFVQYVDDTQFLRFSD 63

Qy 61 AAIPMPEPREPWEGPQYEWTTGQYAKANAOPTVALNLLRYNOSEAGSHTLQGMN 120  
 Db 64 AASQMEPRAFWIEQGPWIEQGPPEYDRLTRVNAKHSOTRESLRALRYNOSEDSHTQRMY 123

Qy 121 GCDMGPDRGLRQYQHAYDGKDYISLNEEDLSRSTAADTVQITOPTFVYAEAEFRY 180  
 Db 124 GCDVGPDRFLRGYQDADGKDYISLNEEDLSRSTAADMAQITQKWTAEHQRAY 183

Qy 181 LEGCCLLRLRLYRYLENGLETQRADPPKAHYHPISDHEATLRCWALGFYPAETLTWQR 240  
 Db 184 LEGCCEWRLRLYRYLENGKETQRTDAPKTMTHAISDHEATLRCWALSFPAETLTWQR 243

Qy 241 DGEQOTDTELVEPTAGDGTQKWAAYVVPSEFORTCHVQHGLPQPLILMEQSPQ 300  
 Db 244 DGEDOTDTELVEPTAGDGTQKWAAYVVPSEFORTCHVQHGLPQPLILMEQSPQ 303

Qy 301 PTIPIVGIVAGLWIVGAVVTVQAVVAVMRKSSDRNRSYQSAAVTSDAQGSVSLTAN 360  
 Db 304 PTIPIVGIVGLVLFQAVIAGAVVAVMRKSSDRKGSSYQSAASSSDAQGDSMLTAC 363

Qy 361 KV 362  
 Db 364 KV 365

RESULT 8  
 US-10-287-436A-1268  
 ; Sequence 1268; Application US/10287436A  
 ; PUBLIC INFORMATION: US2005010242A1  
 ; APPLICANT: CHILDREN'S HOSPITAL MEDICAL CENTER  
 ; TITLE OF INVENTION: METHOD FOR DIAGNOSIS AND TREATMENT OF  
 ; TITLE OF INVENTION: RHEUMATOID ARTHRITIS  
 ; FILE REFERENCE: 10872\_514696  
 ; CURRENT APPLICATION NUMBER: US/10/287,436A  
 ; PRIOR APPLICATION NUMBER: US 60/336,220  
 ; PRIOR FILING DATE: 2002-10-31  
 ; NUMBER OF SEQ ID NOS: 1446  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 1268  
 ; LENGTH: 365  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-287-436A-1268

Query Match 79.0%; Score 1518; DB 5; Length 365;  
 Best Local Similarity 78.2%; Pred. No. 1.9e-133; Mismatches 48; Indels 0; Gaps 0;

Qy 301 PTIPIVGLVAGLVLGVAVTGVAVVWAKSSDRKGSYSQAATDSAQGSVSLTAN 360  
 US-10-741-601-326  
 Db 304 PTIPIVGLVAGLVLGVAVTGVAVVWAKSSDRKGSYSQAATDSAQGSVSLTAC 363  
 Qy 361 KV 362  
 Db 364 KV 365

RESULT 10  
 Best Local Similarity 78.5%; Score 1509; DB 5; Length 365;  
 Matches 284; Conservative 26; Mismatches 52; Indels 0; Gaps 0;  
 Sequence 326, Application US/10741601  
 Publication No. US20040166519A1

GENERAL INFORMATION:  
 APPLICANT: CARGILL, Michele et al.  
 TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 THERAPY FOR STENOSIS, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CLO001500  
 CURRENT APPLICATION NUMBER: US/10/741,601  
 CURRENT FILING DATE: 2003-12-22  
 NUMBER OF SEQ ID NOS: 2615  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 326  
 LENGTH: 365  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-741-601-326

Query Match 78.5%; Score 1509; DB 4; Length 365;  
 Best Local Similarity 78.5%; Prod. No. 1.3e-12; Mismatches 52; Indels 0; Gaps 0;  
 Matches 284; Conservative 26; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRLILLLSGALALTQWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 60  
 Db 4 MAPRLILLLSGALALTQWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 63

Qy 61 AAIPRMEPREPWFQEGPOWENTTGAKANAOQDRVALNLLRTRYNOSEAGSHTLQGMN 120  
 Db 64 AASQRMERAPWIEQGPBFWIQLQTRNVAQSDRANLGTGRYNNOSEAGSHTLQGMN 120

Qy 121 GCDMGPDGRLLRGYHQHYDGDYISNEDLRSWTAADTVAQITQRYEAEYAEFRY 123  
 Db 124 GCDVGSDFRFLRGYRQDAYGDYIAALNEDLRSWTAADMAAQITQRYEAEFRY 123

Qy 181 LEGCECLELLRRLYLENGEETLQRADPKAHVAHHPISHEATLRCWALGFYPAETLTWQR 240  
 Db 184 LEGTCVWLRRLYLENGEETLQTDAPKTHMTHAVSDHEATLRCWALSFPAETLTWQR 243

Qy 241 DGBEQQTDTTELVTRPAGDGFQPKQWAKAVVPSGEQRTCHVQHEGLPOPLJLWRQESPO 300  
 Db 244 DGEDQQTDTTELVTRPAGDGFQPKQWAKAVVPSGEQRTCHVQHEGLPKPLJLWRQESPO 303

Qy 301 PTIPIVGLVAGLVLGAVVTSQAVTDSAQGSVSLTAN 360  
 Db 304 PTIPIVGLVAGLVLGAVVTSQAVTDSAQGSVSLTAC 363

Qy 361 KV 362  
 Db 364 KV 365

RESULT 11  
 US-10-741-600-940

Sequence 940, Application US/10741600

PUBLIC INFORMATION: US20050026169A1

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CLO01499

CURRENT APPLICATION NUMBER: US/10/741,600

CURRENT FILING DATE: 2003-12-22

NUMBER OF SEQ ID NOS: 73997

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 940

LENGTH: 365

TYPE: PRT

ORGANISM: Homo sapiens  
 US-10-741-600-940

RESULT 11  
 US-10-741-600-939

Sequence 939, Application US/10741600

PUBLIC INFORMATION: US20050026169A1

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CLO01499

CURRENT APPLICATION NUMBER: US/10/741,600

CURRENT FILING DATE: 2003-12-22

NUMBER OF SEQ ID NOS: 73997

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 939

; LENGTH: 365

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-741-600-939

Query Match 78.5%; Score 1509; DB 5; Length 365;

Best Local Similarity 78.5%; Pred. No. 1.3e-132; Mismatches 52; Indels 0; Gaps 0;

Matches 284; Conservative 26; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRLILLLSGALALTQWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 60

Db 4 MAPRLILLLSGALALTQWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 63

Qy 61 AAIPRMEPREPWFQEGPOWENTTGAKANAOQDRVALNLLRTRYNOSEAGSHTLQGMN 120

Db 64 AASQRMERAPWIEQGPBFWIQLQTRNVAQSDRANLGTGRYNNOSEAGSHTLQGMN 120

Qy 121 GCDMGPDGRLLRGYHQHYDGDYISNEDLRSWTAADTVAQITQRYEAEYAEFRY 123

Db 124 GCDVGSDFRFLRGYRQDAYGDYIAALNEDLRSWTAADMAAQITQRYEAEFRY 123

Qy 181 LEGCECLELLRRLYLENGEETLQRADPKAHVAHHPISHEATLRCWALGFYPAETLTWQR 240

Db 184 LEGTCVWLRRLYLENGEETLQTDAPKTHMTHAVSDHEATLRCWALSFPAETLTWQR 243

Qy 241 DGBEQQTDTTELVTRPAGDGFQPKQWAKAVVPSGEQRTCHVQHEGLPOPLJLWRQESPO 300

Db 244 DGEDQQTDTTELVTRPAGDGFQPKQWAKAVVPSGEQRTCHVQHEGLPKPLJLWRQESPO 303

Qy 301 PTIPIVGLVAGLVLGAVVTSQAVTDSAQGSVSLTAN 360

Db 304 PTIPIVGLVAGLVLGAVVTSQAVTDSAQGSVSLTAC 363

Qy 361 KV 362

Db 364 KV 365

RESULT 11  
 US-10-741-600-939

Sequence 939, Application US/10741600

PUBLIC INFORMATION: US20050026169A1

APPLICANT: CARGILL, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CLO01499

CURRENT APPLICATION NUMBER: US/10/741,600

CURRENT FILING DATE: 2003-12-22

NUMBER OF SEQ ID NOS: 73997

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 940

LENGTH: 365

TYPE: PRT

ORGANISM: Homo sapiens

US-10-741-600-940

Query Match 78.5%; Score 1509; DB 5; Length 365;

Best Local Similarity 78.5%; Pred. No. 1.3e-132; Mismatches 52; Indels 0; Gaps 0;

Matches 284; Conservative 26; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRLILLLSGALALTQWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 60

Db 4 MAPRLILLLSGALALTQWAGSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFSD 63

Qy 61 AAIPRMEPREPWFQEGPOWENTTGAKANAOQDRVALNLLRTRYNOSEAGSHTLQGMN 120

Db 64 AASQRMERAPWIEQGPBFWIQLQTRNVAQSDRANLGTGRYNNOSEAGSHTLQGMN 120

Qy 121 GCDMGPDGRLLRGYHQHYDGDYISNEDLRSWTAADTVAQITQRYEAEYAEFRY 123

Db 124 GCDVGSDFRFLRGYRQDAYGDYIAALNEDLRSWTAADMAAQITQRYEAEFRY 123

Qy 181 LEGCECLELLRRLYLENGEETLQRADPKAHVAHHPISHEATLRCWALGFYPAETLTWQR 240

Db 184 LEGTCVWLRRLYLENGEETLQTDAPKTHMTHAVSDHEATLRCWALSFPAETLTWQR 243

Qy 241 DGBEQQTDTTELVTRPAGDGFQPKQWAKAVVPSGEQRTCHVQHEGLPOPLJLWRQESPO 300

Db 244 DGEDQQTDTTELVTRPAGDGFQPKQWAKAVVPSGEQRTCHVQHEGLPKPLJLWRQESPO 303

Qy 301 PTIPIVGLVAGLVLGAVVTSQAVTDSAQGSVSLTAN 360

Db 304 PTIPIVGLVAGLVLGAVVTSQAVTDSAQGSVSLTAC 363

Qy 361 KV 362

Db 364 KV 365

Db 124 GCDVGSDGRFRLGRYDADPDKYDITLNEIDRSWTAADMAAQITQRKWEARVAEQLRAY 183

Qy 181 LEGECLLELRLYLENLGLTLDAPKAYAHHPISDHEATLRCVALGFPAAEITLTWQR 240

Db 184 LEGTCYEWRLYLENSKETLQRTDAPTHMTHAEDHEATLRCVALSF1PAEITLTWQR 243

Qy 241 DGEBOQDTELVELTRPAGTDFQKWAAVVPSGEORYTCVQHESGLPQPPLRLRWEQSPQ 300

Db 244 DGEDQDTELVELTRPAGTDFQKWAAVVPSGEORYTCVQHESGLPKPLTLRWEPSQ 303

Qy 301 PTIPIVGIVAGLVLGAVVTPGAVVAVMWRCKSSDRNGSYSSQAAVTDASQGCSVSLTAN 360

Db 304 PTIPIVGIVAGLVLGAVVAVMWRCKSSDRNGSYSSQAAVTDASQGCSVSLTAC 363

Qy 361 KV 362

Db 364 KV 365

RESULT 13 US-10-631-467-728

Sequence 728, Application US/10631467

PUBLICATION NO. US20050208496A1

GENERAL INFORMATION

APPLICANT: Genox Research Inc.

TITLE OF INVENTION: Method for testing for bronchial asthma, or chronic obstructive pulmonary disease

FILE REFERENCE: 3462.1005-000

CURRENT APPLICATION NUMBER: US/10/631,467

CURRENT FILING DATE: 2003-07-31

PRIOR APPLICATION NUMBER: JP 2003-077212

PRIOR FILING DATE: 2003-03-20

PRIOR APPLICATION NUMBER: JP 2002-229312

PRIOR FILING DATE: 2002-08-06

NUMBER OF SEQ ID NOS: 2086

SOFTWARE: Patentin version 3.1

SEQ ID NO: 728

LENGTH: 362

TYPE: PRT

ORGANISM: Homo sapiens

US-10-631-467-728

Query Match Score 1508; DB 5; Length 362;

Best Local Similarity 79.7%; Pred. No. 1.6e-131;

Matches 286; Conservative 26; Mismatches 47; Indels 0; Gaps 0;

Db 1 MAPRSLLLSSCALALTDTWGSLSLRYFSTAVSRGRGPRYIAVEYVDDTQFLRFDSD 60

Db 4 MAPRTVLLLSAALALTETWGSLSHRYFTTSVSRGRGPRFISVGYVDDTQFLRFDSD 63

Qy 61 AAIPRMEPREPVAEQGPQYEWWTGCKAYAKANAQTDRLRNLLRKYNOSEAGSHTLQGMN 120

Db 64 AASPREPRAPIEQGPYEWDRNTQYKAOAQTDRLRNLLRKYNOSEAGSHTLQSMY 123

Qy 121 GCDMGPDGRGLRLGRYDADPDKYDITLNEIDRSWTAADMAAQITQRKWEARVAEQLRAY 180

Db 124 GCDVGPDGRGLRLGRHDQYDGDYDITLNEIDRSWTAADMAAQITQRKWEARVAEQLRAY 183

Qy 181 LEGECLLELRLYLENLGLTLDAPKAYAHHPISDHEATLRCVALGFPAAEITLTWQR 240

Db 184 LEGTCYEWRLYLENLGLTLDAPKAYAHHPISDHEATLRCVALGFPAAEITLTWQR 243

Qy 241 DGEBOQDTELVELTRPAGTDFQKWAAVVPSGEORYTCVQHESGLPQPPLRLRWEQSPQ 300

Db 244 DGEDQDTELVELTRPAGTDFQKWAAVVPSGEORYTCVQHESGLPKPLTLRWEPSQ 303

Qy 301 PTIPIVGIVAGLVLGAVVTPGAVVAVMWRCKSSDRNGSYSSQAAVTDASQGCSVSLTAN 359

Db 304 STVPIVGIVAGLVLGAVVAVMWRCKSSDRNGSYSSQAAVTDASQGCSVSLTAC 362

RESULT 23 Application US/10138888

Publication No. US20050148972A1

GENERAL INFORMATION

APPLICANT: Thomas, Winston J.  
Drayna, Dennis T.  
Feder, John N.  
Gnirke, Andreas  
Ruddy, David  
Tsuchihashi, Zenta  
Wolff, Roger K.

TITLE OF INVENTION: Hereditary Hemochromatosis Gene

NUMBER OF SEQUENCES: 79

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds LLP

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/138,888

FILING DATE: 02-May-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 09/834,497

FILING DATE: 04-APR-1997

APPLICATION NUMBER: US 09/652,265

FILING DATE: 23-MAY-1996

APPLICATION NUMBER: US 09/632,673

FILING DATE: 16-APR-1996

APPLICATION NUMBER: US 09/630,912

FILING DATE: 04-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Brian M. Poissant  
REGISTRATION NUMBER: 24,462

REFERENCE/DOCKET NUMBER: 8907-095-999

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9864

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

TYPE: amino acids  
LENGTH: 365 amino acids  
STRANDEDNESS: <Unknown>  
TYPE: amino acid  
TOPOLOGY: Linear

MOLECULE TYPE: protein  
FEATURE: NAME/KEY: Protein  
LOCATION: 1..365  
OTHER INFORMATION: /note= "Human Major Histocompatibility Class I (MHC) protein"

SEQUENCE DESCRIPTION: SEQ ID NO: 23:

US-10-138-888-23

Query Match Score 1497; DB 4; Length 365;

Best Local Similarity 77.9%; Pred. No. 1.7e-131;

Matches 282; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSSCALALTDTWGSLSLRYFSTAVSRGRGPRYIAVEYVDDTQFLRFDSD 60

Db 4 MAPRTVLLLSAALALTETWGSLSHRYFTTSVSRGRGPRFISVGYVDDTQFLRFDSD 63

Qy 61 AAIPRMEPREPVAEQGPQYEWWTGCKAYAKANAQTDRLRNLLRKYNOSEAGSHTLQGMN 120

Db 64 AASPREPRAPIEQGPYEWDRNTQYKAOAQTDRLRNLLRKYNOSEAGSHTLQSMY 123

Qy 121 GCDMGPDGRGLRLGRYDADPDKYDITLNEIDRSWTAADMAAQITQRKWEARVAEQLRAY 180

Db 124 GCDVGPDGRGLRLGRHDQYDGDYDITLNEIDRSWTAADMAAQITQRKWEARVAEQLRAY 183

Qy 181 LEGECLLELRLYLENLGLTLDAPKAYAHHPISDHEATLRCVALGFPAAEITLTWQR 240

Db 184 LEGTCYEWRLYLENLGLTLDAPKAYAHHPISDHEATLRCVALGFPAAEITLTWQR 243

Qy 241 DGEBOQDTELVELTRPAGTDFQKWAAVVPSGEORYTCVQHESGLPQPPLRLRWEQSPQ 300

Db 244 DGEDQDTELVELTRPAGTDFQKWAAVVPSGEORYTCVQHESGLPKPLTLRWEPSQ 303

Qy 301 PTIPIVGIVAGLVLGAVVTPGAVVAVMWRCKSSDRNGSYSSQAAVTDASQGCSVSLTAN 359

Db 304 STVPIVGIVAGLVLGAVVAVMWRCKSSDRNGSYSSQAAVTDASQGCSVSLTAC 362

RESULT 14 US-10-138-888-23

RESULT 15  
US-10-093-463-78

Sequence 78, Application US 10093463  
Publication No. US20030208039A1

GENERAL INFORMATION:

APPLICANT: Padigaru, Muralidhara  
Shenoy, Suresh  
APPLICANT: Kakuda, Ramesh  
Gusev, Vladimir  
APPLICANT: Pochart, Pascal  
APPLICANT: Zheng, Mei  
APPLICANT: Rastelli, Luca  
APPLICANT: Mezes, Peter  
APPLICANT: Smithson, Glenda  
Guo, Xiaojaia  
APPLICANT: Gerlach, Valerie  
APPLICANT: Casman, Stacie  
APPLICANT: Boldog, Ferenc  
Li, Li  
APPLICANT: Zerhusen, Bryan  
Tchernev, Velizar  
Gangolli, Esha  
Verner, Corine  
Pena, Carol  
APPLICANT: Burgess, Catherine  
Liu, Xiaohong  
APPLICANT: Spytek, Kimberly  
Gorman, Linda  
Spaderna, Steven  
Voss, Edward  
APPLICANT: Malyankar, Uriel  
APPLICANT: Anderson, David  
APPLICANT: Patura, Jan, Meera  
APPLICANT: Miller, Charles  
APPLICANT: Taupier, Raymond J. Jr.

TITLE OF INVENTION: No. US20030208039A1 Antibodies that Bind to Antigenic Polypepti

FILE REFERENCE: 214-02-290A (Cur 590AT)

CURRENT FILING DATE: 2002-06-24

PRIOR APPLICATION NUMBER: US10/093,463

PRIOR FILING DATE: 2001-04-14

PRIOR APPLICATION NUMBER: 60/338,092

PRIOR FILING DATE: 2001-12-03

PRIOR APPLICATION NUMBER: 60/274,281

PRIOR FILING DATE: 2001-03-08

PRIOR APPLICATION NUMBER: 60/274,101

PRIOR FILING DATE: 2001-09-27

PRIOR APPLICATION NUMBER: 60/325,681

PRIOR FILING DATE: 2001-04-04

PRIOR FILING DATE: 2001-03-08

PRIOR APPLICATION NUMBER: 60/274,849

PRIOR FILING DATE: 2001-03-09

PRIOR APPLICATION NUMBER: 60/330,380

PRIOR FILING DATE: 2001-10-18

PRIOR APPLICATION NUMBER: 60/275,235

PRIOR FILING DATE: 2001-03-12

PRIOR APPLICATION NUMBER: 60/288,342

PRIOR FILING DATE: 2001-05-03

PRIOR APPLICATION NUMBER: 60/275,578

PRIOR FILING DATE: 2001-03-13

NUMBER OF SEQ ID NOS: 370

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 78

LENGTH: 379

TYPE: PRT

ORGANISM: Homo sapiens  
US-10-093-463-78

Query Match 77.9%; Score 1496.5; DB 4; Length 379;  
Best Local Similarity 78.0%; Pred. No. 2e-13; Mismatches 49; Indels 3; Gaps 1;

Matches 284; Conservative 28; Mismatches 28; Patentin Ver. 2.1

1 MAPRLFLLSSGALLTDTWAGSHSLRIFYSTAVSRGRGERRYIAVBYDDTQFLRFSD 60  
4 MAPRLFLLSSGALLTDTWAGSHSLRIFYSTAVSRGRGERRYIAVBYDDTQFLRFSD 63

61 AAIPRNBPREPWVEQGPQTWBWTGTYAKANAAQTDEVANLRLRINOSEA--GSHTLQ 117  
64 SACPMPNEPRAWPWQEGPEYMEETRNTKAQTDRMLNQLTRGTYNQSEGVPGSHTLQ 123

118 GMNGCDMGPDRGLRLLRGYHOAYDGDIYSINEDLSWTAADTVQITQRPYEAETYAEF 177  
124 WMIGCDLGSDRLLRGYEQAYDGDYLAINEQDLSWTAADTAQISKRCEAAVABQR 183

178 RTYLEGECLELLRRLYLENLTLQADPPKAHVHPISDHEATLRCWALGYPBILIT 237  
184 RAYLZETCVCWHLRYLENGKMLQADPPKTHVTHPVDYEATLRCWALGYPBILIT 243

238 WQDGSEQTODTELVTRPAGDTQKWAAYVPGSEBQRTCHYQHEGLPQPLLRWQ 297  
244 WQDGSEQTODTELVTRPAGDTQKWAAYVPGSEBQRTCHYQHEGLPQPLLRWQ 303

298 SPQPTIPGIVAGLIVLGAIVTGAIVAAWMRKSSDRARGSYSSOAVTDSAQGSVSL 357  
304 SSLPTIPIMGIVAGLVLAATVGTGAAVLMRKSSDRARGSYSSQANASSISAQGSVSL 363

358 TANK 361  
Db 364 TACK 367

Search completed: April 7, 2006, 13:05:59  
Job time : 122.234 secs

**THIS PAGE BLANK (USPTO)**

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OM protein - protein search, using sw model

Run on: April 7, 2006, 12:39:36 ; Search time 21.2221 Seconds

(without alignments)

837.583 Million cell updates/sec

Title: US-09-819-371-6

Perfect score: 1173

Sequence: 1 IAVVYDDTQFLRFDSDAI.....QRDGEETQDTELVETRPG 215

Scoring table: BLOSUM62

Gapopen 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA.\*

1: /cggn2\_6/ptodata/1/iaa/5\_COMB.pep:\*

2: /cggn2\_6/ptodata/1/iaa/6\_COMB.pep:\*

3: /cggn2\_6/ptodata/1/iaa/H\_COMB.pep:\*

4: /cggn2\_6/ptodata/1/iaa/PCTC\_COMB.pep:\*

5: /cggn2\_6/ptodata/1/iaa/RE\_COMB.pep:\*

6: /cggn2\_6/ptodata/1/iaa/backfile1..pep:\*

Pred. No. is the number of results Predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

RESULT 1  
US-09-949-016-8242

; Sequence 8242, Application US/09949016

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GENERAL INFORMATION:  
 APPLICANT: CLAYBERGER, CAROL A.  
 APPLICANT: KRENSKY, ALAN M.  
 APPLICANT: PARHAM, PETER  
 TITLE OF INVENTION: CYTOKINIC T-CELL LYMPHOCYTE ("CTL")  
 TITLE OF INVENTION: ACTIVITY REGULATION BY CLASS I MHC PEPTIDES  
 NUMBER OF SEQUENCES: 43  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: MORRISON & FOERSTER  
 STREET: 2000 PENNSYLVANIA AVENUE, NW, STE 5500  
 CITY: WASHINGTON  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20006-18112  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/222,851  
 FILING DATE: 05-APR-1994  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MILLMAN, ROBERT A.  
 REGISTRATION NUMBER: 36,217  
 REFERENCE/DOCUMENT NUMBER: 20600-202000-22  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 887-1500  
 TELEFAX: (202) 494-0792  
 TELEX: 90-4030 MRSNOEWSWH  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 274 amino acids  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-08-222-851-1

Query Match Score 940; DB 1; Length 274;

Best Local Similarity 80.5%; Pred. No. 1.8e-89; Mismatches 173; Conservative 28; Indels 0; Gaps 0;

Qy 1 IAVEYDDTQFLRFDSAAIPRMEPREPWEQEGPOWENTGYAKANAQTDVALRNLL 60  
 Db 23 IAVGYDDTQFLRFDSAAIPRMEPREPWEQEGPOWENTGYAKANAQTDVALRNLL 82  
 Qy 61 RYNOSEAGSHTLQGMGPDGRLRGYHQAHDGKDYISLNEDLRSWTAADTVQI 120  
 Db 83 GYNQSEASHTLQGMGPDGRLRGYHQAHDGKDYISLNEDLRSWTAADTVQI 142  
 Qy 121 TQRFYAEYAEFRTYLEGECLELLARRYLENGKETLQRADPPKAHVAAHPISDHEATLR 180  
 Db 143 TORKWEARVAAEQRAYLEGTCVEMLRLARRYLENGKETLQRADPPKTHVHPISDHEATLR 202  
 Qy 181 CWALGFYPAETTLWORDGEPTQDTELVTRPAG 215  
 Db 203 CWALGFYPAETTLWORDGEPTQDTELVTRPAG 237

RESULT 3  
 US-09-949-016-6176  
 / Sequence 6176, Application US/09949016

GENERAL INFORMATION:  
 APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CLO01307  
 CURRENT APPLICATION NUMBER: US/09/949,016  
 CURRENT FILING DATE: 2000-04-14  
 PRIORITY APPLICATION NUMBER: 60/231,498  
 PRIORITY FILING DATE: 2000-10-03  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 6176  
 LENGTH: 338  
 TYPE: PRT  
 ORGANISM: Human  
 US-09-949-016-6176

Query Match Score 74.1%; Pred. No. 5.7e-82; Mismatches 161; Conservative 19; Indels 0; Gaps 0;

Qy 1 IAVEYDDTQFLRFDSAAIPRMEPREPWEQEGPOWENTGYAKANAQTDVALRNLL 60  
 Db 48 IAMGYDDTQFLRFDSAAIPRMEPREPWEQEGPOWENTGYAKANAQTDVALRNLL 107

Qy 61 RYNOSEAGSHTLQGMGPDGRLRGYHQAHDGKDYISLNEDLRSWTAADTVQI 120

Db 108 GYNQSEASHTLQGMGPDGRLRGYHQAHDGKDYISLNEDLRSWTAADTVQI 167

Qy 121 TQRFYAEYAEFRTYLEGECLELLARRYLENGKETLQRADPPKAHVAAHPISDHEATLR 180

Db 168 SKRKCEAAYAEQRAYLEGTCVEMLRLARRYLENGKETLQRADPPKTHVHPISDHEATLR 227

RESULT 4  
 US-09-949-016-8636

/ Sequence 8636, Application US/09949016  
 / Patent No. 6812339  
 / GENERAL INFORMATION:  
 / APPLICANT: VENTER, J. Craig et al.  
 / TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 / FILE REFERENCE: CLO01307  
 / CURRENT APPLICATION NUMBER: US/09/949,016  
 / CURRENT FILING DATE: 2000-04-14  
 / PRIORITY APPLICATION NUMBER: 60/241,755  
 / PRIORITY FILING DATE: 2000-10-20  
 / PRIORITY APPLICATION NUMBER: 60/237,768  
 / PRIORITY FILING DATE: 2000-10-03  
 / PRIORITY APPLICATION NUMBER: 60/231,498  
 / PRIORITY FILING DATE: 2000-04-08  
 / NUMBER OF SEQ ID NOS: 207012  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO 8636  
 / LENGTH: 339  
 / TYPE: PRT  
 / ORGANISM: Human  
 US-09-949-016-8636

Query Match Score 74.1%; Pred. No. 5.7e-82; Mismatches 161; Conservative 19; Indels 0; Gaps 0;

Qy 1 IAVEYDDTQFLRFDSAAIPRMEPREPWEQEGPOWENTGYAKANAQTDVALRNLL 60  
 Db 48 IAMGYDDTQFLRFDSAAIPRMEPREPWEQEGPOWENTGYAKANAQTDVALRNLL 107

Qy 61 RYNOSEAGSHTLQGMGPDGRLRGYHQAHDGKDYISLNEDLRSWTAADTVQI 120

Db 108 GYNQSEASHTLQGMGPDGRLRGYHQAHDGKDYISLNEDLRSWTAADTVQI 167

Qy 121 TQRFYAEYAEFRTYLEGECLELLARRYLENGKETLQRADPPKAHVAAHPISDHEATLR 180

Db 168 SKRKCEAAYAEQRAYLEGTCVEMLRLARRYLENGKETLQRADPPKTHVHPISDHEATLR 227

Qy 181 CWALGFPAAITLTWORDGEQTQDTELVERPAG 215  
 US-08-481-905-104  
 ; Sequence 104, Application US/08481905  
 ; Patent No. 5976551

GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean Pierre  
 APPLICANT: Kourilsky, Philippe  
 TITLE OF INVENTION: An Altered Major Histocompatibility Complex  
 TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the  
 Determinant  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
 ADDRESSEE: Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy Disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484,905  
 FILING DATE: 07-JUNE-1995  
 CLASSIFICATION: 530

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 CLASSIFICATION: 530

PRIOR APPLICATION DATA:  
 FILING DATE: 15-NOV-1991  
 CLASSIFICATION: 530

PRIOR APPLICATION DATA:  
 FILING DATE: 05-DEC-1991  
 CLASSIFICATION: 530

MOLECULE TYPE: peptide

US-08-484-905-104

Query Match 73.1%; Score 857; DB 1; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 18; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Qy 1 I AVEYYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60  
 Db 47 IAVGVYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60

Qy 1 I AVEYYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60  
 Db 47 IAVGVYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60

Qy 1 I AVEYYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60  
 Db 47 IAVGVYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60

Qy 1 I AVEYYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60  
 Db 47 IAVGVYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60

Qy 1 I AVEYYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60  
 Db 47 IAVGVYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60

Qy 1 I AVEYYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60  
 Db 47 IAVGVYDТОPLRFDSDAAIPMEPREPWWQEGPOWENTGYAKANAOQTDRVALRNLL 60

Qy 181 CWALGFPAAITLTWORDGEQTQDTELVERPAG 215  
 Db 227 CWALGFPAAITLTWORDGEQTQDTELVERPAG 262

RESULT 6

US-08-481-985B-104

; Sequence 104, Application US/08481985B

; Patent No. 6011146

GENERAL INFORMATION:

APPLICANT: Mottez, Estelle

APPLICANT: Abastado, Jean Pierre

APPLICANT: Kourilsky, Philippe

TITLE OF INVENTION: An Altered Major Histocompatibility Complex

TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the

Determinant

NUMBER OF SEQUENCES: 127

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

ADDRESSEE: Dunner

STREET: 1300 I Street, N.W., Suite 700

CITY: Washington

STATE: D.C.

ZIP: 20005-3315

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/481,985B

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/801,818

FILING DATE: 05-DEC-1991

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/792,473

FILING DATE: 15-NOV-1991

CLASSIFICATION: 435

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-408-4400

TELEFAX: 202-408-4400

INFORMATION FOR SEQ ID NO: 104:

SEQUENCE CHARACTERISTICS:

LENGTH: 365 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-481-985B-104

Query Match 73.1%; Score 857; DB 1; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 18; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

Matches 158; Conservative 0; Gaps 0;

Indels 0; Gaps 0;

Score 857; DB 2; Length 365;

Best Local Similarity 73.5%; Pred. No. 1.1e-80; Matches 0; Gaps 0;

RESULT 7  
US-08-370-476-104  
Sequence 104, Application US/08370476  
Patent No. 6,153,408

GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Phillippe  
 APPLICANT: Long, Yu-Chun  
 APPLICANT: Ojcius, David  
 APPLICANT: Casrouge, Armando  
 TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 TITLE OF INVENTION:  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/370,476  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/117,575  
 FILING DATE: 07-SEP-1993  
 APPLICATION NUMBER: US 08/072,787  
 FILING DATE: 06-JUN-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meyers, Kenneth J.  
 REFERENCE/DOCKET NUMBER: 25,146  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 104:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-370-476-104

RESULT 8  
US-08-484-905-100  
Sequence 100, Application US/08484905  
Patent No. 5,976,551

GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Phillippe  
 TITLE OF INVENTION: An Altered Major Histocompatibility Complex (MHC) Determinant and Methods for Using the Determinant  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484,905  
 FILING DATE: 07-JUNE-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Potter, Jane E. R.  
 REGISTRATION NUMBER: 33,332  
 REFERENCE/DOCKET NUMBER: 03495,0106-03000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 100:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-484-905-100

Query Match 73.1%; Score 857; DB 2; Length 365;  
 Best Local Similarity 73.5%; Pred. No. 1.1e-80; Mismatches 18; Indels 39; Gaps 0;  
 Matches 158; Conservative 18; Gaps 0;

Qy 1 IAVEYVDDTOPFREDSDAIRMPREPWPQEGPOYWTGTYAKANAQTDVALRNLL 60  
 Db 47 IAVGYVDDTOPFREDSDAIRMPREPWPQEGPOYWTGTYAKANAQTDVALRNLL 106  
 Qy 61 RYNNQSEAGSHTLQINGNDGPDRLLRGTHQAMDGKVISLNEILRSITAADTVQI 120  
 Db 107 GYNNQSEAGSHTLQINGNDGPDRLLRGTHQAMDGKVISLNEILRSITAADTVQI 166  
 Qy 121 TORFYEAEEYAEFFTYLEGCELLIRRRLQDPPKAHVHPISDHEATLR 180  
 Db 167 TRKHKWAAHVAEQLFAYESTCVMWIRRVLENGKETLQRTDAKTHMTHAVSDHEATLR 226

Query Match 73.0%; Score 856; DB 1; Length 365;  
 Best Local Similarity 73.5%; Pred. No. 1.4e-80; Mismatches 158; Conservative 18; Gaps 0;

Qy 1 IAVEYVDDTOPFREDSDAIRMPREPWPQEGPOYWTGTYAKANAQTDVALRNLL 60  
 Db 47 IAVGYVDDTOPFREDSDAIRMPREPWPQEGPOYWTGTYAKANAQTDVALRNLL 106  
 Qy 61 RYNNQSEAGSHTLQINGNDGPDRLLRGTHQAMDGKVISLNEILRSITAADTVQI 120  
 Db 107 GYNNQSEAGSHTLQINGNDGPDRLLRGTHQAMDGKVISLNEILRSITAADTVQI 166  
 Qy 121 TORFYEAEEYAEFFTYLEGCELLIRRRLQDPPKAHVHPISDHEATLR 180  
 Db 167 TRKHKWAAHVAEQLFAYESTCVMWIRRVLENGKETLQRTDAKTHMTHAVSDHEATLR 226

Qy 181 CWALGFYPAAEITLWQDGEQTDTTELVETRPAG 215  
 US-08-481-985B-100  
 ; Sequence 100, Application US/08481985B  
 ; Patent No. 60,1146

Db 227 CWALSPYPAEITLWQDGEQTDTTELVETRPAG 261

RESULT 9

US-08-481-985B-100  
 ; Sequence 100, Application US/08370476  
 ; General Information:  
 / APPLICANT: Mottez, Estelle  
 / APPLICANT: Abastado, Jean-Pierre  
 / APPLICANT: Kourilsky, Phillipine  
 / APPLICANT: Lone, Yu-Chun  
 / APPLICANT: Ojeius, David  
 / APPLICANT: Caarouge, Amanda  
 / TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 / NUMBER OF SEQUENCES: 148  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: Dunnar, Dunner  
 / STREET: 1300 I Street, N.W., Suite 700  
 / CITY: Washington  
 / STATE: D.C.  
 / ZIP: 20005-3315  
 / COMPUTER READABLE FORM:  
 / MEDIUM TYPE: Floppy disk  
 / COMPUTER: IBM PC compatible  
 / OPERATING SYSTEM: PC-DOS/MS-DOS  
 / SOFTWARE: Patent in Release #1.0, Version #1.25  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/08/481,985B  
 / FILING DATE: 07-JUN-1995  
 / CLASSIFICATION: 435  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: US 07/801,818  
 / FILING DATE: 05-DEC-1991  
 / CLASSIFICATION: 435  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: US 07/792,473  
 / FILING DATE: 15-NOV-1991  
 / CLASSIFICATION: 435  
 / ATTORNEY/AGENT INFORMATION:  
 / NAME: Meyers, Kenneth J.  
 / REGISTRATION NUMBER: 25,146  
 / REFERENCE/DOCKET NUMBER: 03495.0106-04000  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: 202-408-4000  
 / TELEFAX: 202-408-4400  
 / INFORMATION FOR SEQ ID NO: 100:  
 / SEQUENCE CHARACTERISTICS:  
 / LENGTH: 365 amino acids  
 / TYPE: amino acid  
 / TOPOLOGY: linear  
 / MOLECULE TYPE: peptide  
 US-08-481-985B-100

Qy 73 0%; Score 856; DB 2; Length 365;  
 Best Local Similarity 73 %; Pred. No. 1.4e-80;  
 Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

Db 73 0%; Score 856; DB 2; Length 365;  
 Best Local Similarity 73 %; Pred. No. 1.4e-80;  
 Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

Qy 1 IAEVYDDTQLRPSDAIPRMEPREPWWQEGRPYWTTGYAKANQTDYRALNL 60  
 47 IAVGVDDTQFVRPSDAASORMERAPWIEQEGBYWDGBTTRKVAHSOTHYDLSLR 106

Db 61 RYNGSEASHTLQGNGCDMGPGRLRGYHQHAWDGDYISUNEDRSWTAADTVQI 120  
 107 GYNNSEASHTVQRMFGDVGSDRPLRGHQAYDGDYIAKEDLSWTAADMAGT 166

Qy 121 TORFYEAETTAAEPTTLEGBCLELLRLYENGETLORADPPKAHHPISDHEATR 180  
 167 TKHKWBAATHVAAEQLRAYLETCVETRLYENGETLQRTDAPKTHMTHAAVSDEHEATR 226

Db 181 CWALGFYPAAEITLWQDGEQTDTTELVETRPAG 215

Qy 1 IAEVYDDTQLRPSDAIPRMEPREPWWQEGRPYWTTGYAKANQTDYRALNL 60  
 47 IAVGVDDTQFVRPSDAASORMERAPWIEQEGBYWDGBTTRKVAHSOTHYDLSLR 106

Db 61 RYNGSEASHTLQGNGCDMGPGRLRGYHQHAWDGDYISUNEDRSWTAADTVQI 120  
 47 IAVGVDDTQFVRPSDAASORMERAPWIEQEGBYWDGBTTRKVAHSOTHYDLSLR 106

Qy 61 RYNGSEASHTLQGNGCDMGPGRLRGYHQHAWDGDYISUNEDRSWTAADTVQI 120  
 Db 107 GYNNSEASHTVQRMFGDVGSDRPLRGHQAYDGDYIAKEDLSWTAADMAGT 166

Qy 121 TORFYEAETTAAEPTTLEGBCLELLRLYENGETLORADPPKAHHPISDHEATR 180  
 Db 167 TKHKWBAATHVAAEQLRAYLETCVETRLYENGETLQRTDAPKTHMTHAAVSDEHEATR 226

Qy 1 IAEVYDDTQLRPSDAIPRMEPREPWWQEGRPYWTTGYAKANQTDYRALNL 60  
 Db 47 IAVGVDDTQFVRPSDAASORMERAPWIEQEGBYWDGBTTRKVAHSOTHYDLSLR 106

Qy 61 RYNGSEASHTLQGNGCDMGPGRLRGYHQHAWDGDYISUNEDRSWTAADTVQI 120  
 Db 107 GYNNSEASHTVQRMFGDVGSDRPLRGHQAYDGDYIAKEDLSWTAADMAGT 166

Qy 121 TORFYEAETTAAEPTTLEGBCLELLRLYENGETLORADPPKAHHPISDHEATR 180

RESULT 11  
US-08-484-905-99  
; Sequence 99, Application US/08484905  
; Patent No. 5976551  
GENERAL INFORMATION:  
; APPLICANT: Mottez, Estelle  
; APPLICANT: Abastado, Jean-Pierre  
; APPLICANT: Kourilsky, Philippe  
TITLE OF INVENTION: An Altered Major Histocompatibility Complex  
TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the  
NUMBER OF SEQUENCES: 127  
CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
; ADDRESS: Dunner  
; STREET: 1300 I Street, N.W., Suite 700  
; CITY: Washington  
; STATE: D.C.  
ZIP: 20005-3315  
COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS-MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US 08/484,905  
; FILING DATE: 07-JUNE-1995  
; CLASSIFICATION: 530  
; PRIORITY APPLICATION NUMBER: US 07/801,818  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 07/801,818  
; FILING DATE: 05-DEC-1991  
; CLASSIFICATION: 530  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 07/792,473  
; FILING DATE: 15-NOV-1991  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Potter, Jane E. R.  
; REGISTRATION NUMBER: 33,332  
; PRIORITY NUMBER: 03495.0106-03000  
TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 99:  
SEQUENCE CHARACTERISTICS:  
; LENGTH: 365 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-484-905-99

RESULT 12  
US-08-481-985B-99  
; Sequence 99, Application US/08481985B  
; Patent No. 601116  
GENERAL INFORMATION:  
; APPLICANT: Mottez, Estelle  
; APPLICANT: Abastado, Jean-Pierre  
; APPLICANT: Kourilsky, Philippe  
TITLE OF INVENTION: Altered Major Histocompatibility Complex  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
; ADDRESS: Dunner  
; STREET: 1300 I Street, N.W., Suite 700  
; CITY: Washington  
; STATE: D.C.  
ZIP: 20005-3315  
COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS-MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/481,985B  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 07/801,818  
; FILING DATE: 05-DEC-1991  
; CLASSIFICATION: 435  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 07/792,473  
; FILING DATE: 15-NOV-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meyers, Kenneth J.  
; REGISTRATION NUMBER: 25,146  
; PRIORITY DOCKET NUMBER: 03495.0106-04000  
TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 99:  
SEQUENCE CHARACTERISTICS:  
; LENGTH: 365 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-481-985B-99

Query Match 72.7%; Score 853; DB 2; Length 365;  
Best Local Similarity 73.0%; Pred. No. 2.9e-80;  
Matches 157; Conservative 19; Mismatches 39; Indels 0; Gaps 0;

Qy 1 IAVVYDQTLRFDSDAIPRMEPREPWTQEGPOWMTGAKANQTDVALRNLL 60  
Db 47 IAVGVYDQTLRFDSDAIPRMEPREPWTQEGPOWMTGAKANQTDVALRNLL 106  
Qy 61 RYNGSEAGSHTLQGRNGCDNGPDRGLLRLYENKGKTIQADPPKAHVHPISDHEATL 120  
Db 107 GYNNQSEAGSHTLQGRNGCDNGPDRGLLRLYENKGKTIQADPPKAHVHPISDHEATL 166  
Qy 121 TORFVAEEYAEFPVYLEGECLELRLYENKGKTIQADPPKAHVHPISDHEATL 166  
Db 167 TRKHWTAHEAEQWRAYLEGTCVWRLYENKGKTIQADPPKAHVHPISDHEATL 226

Query Match 72.7%; Score 853; DB 2; Length 365;  
Best Local Similarity 73.0%; Pred. No. 2.9e-80;  
Matches 157; Conservative 19; Mismatches 39; Indels 0; Gaps 0;

Qy 1 IAVVYDQTLRFDSDAIPRMEPREPWTQEGPOWMTGAKANQTDVALRNLL 60  
Db 47 IAVGVYDQTLRFDSDAIPRMEPREPWTQEGPOWMTGAKANQTDVALRNLL 106  
Qy 61 RYNGSEAGSHTLQGRNGCDNGPDRGLLRLYENKGKTIQADPPKAHVHPISDHEATL 120  
Db 107 GYNNQSEAGSHTLQGRNGCDNGPDRGLLRLYENKGKTIQADPPKAHVHPISDHEATL 166  
Qy 121 TORFVAEEYAEFPVYLEGECLELRLYENKGKTIQADPPKAHVHPISDHEATL 166  
Db 167 TRKHWTAHEAEQWRAYLEGTCVWRLYENKGKTIQADPPKAHVHPISDHEATL 226

Qy 181 CWALGFYPAEITLWQDGGCETQDTELVETRPG 215  
 Db 227 CWALSFYPAEITLWQDGEDQDTELVETRPG 261

RESULT 13  
 Sequence 99, Application US/08370476  
 Patent No. 6153408

GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Philippe  
 APPLICANT: Lone, Yu-Chun  
 APPLICANT: Ojcius, David  
 APPLICANT: Cabrouge, Armand  
 TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 TITLE OF INVENTION:  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Parabow, Garrett &  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/370,476  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/117,575  
 FILING DATE: 07-SEP-1993  
 APPLICATION NUMBER: US 08/072,787  
 FILING DATE: 06-JUN-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-NOV-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meyers, Kenneth J.  
 REGISTRATION NUMBER: 25,146  
 REFERENCE/DOCKET NUMBER: 05243.0001-01000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 99:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: Linear  
 MOLECULE TYPE: peptide  
 US-08-370-476-99

Qy 121 TQRFYAEEYAEFRYLEGECLLRLYYLEGKETLQRADPPKAHVAAHPISDHEATLR 180  
 Db 167 TPKWETAHLEQWTRAVLCTEVETRPG 226

Qy 181 CWALGFYPAEITLWQDGEETQDTELVETRPG 215  
 Db 227 CWALSFYPAEITLWQDGEDQDTELVETRPG 261

RESULT 14  
 US-08-484-905-107  
 Sequence 107, Application US/08484905  
 Patent No. 5976551

GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Philippe  
 TITLE OF INVENTION: An Altered Major Histocompatibility Complex (MHC) Determinant and Methods for Using the Determinant  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/484,905  
 FILING DATE: 07-JUN-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Potter, Jane E. R.  
 REGISTRATION NUMBER: 33,322  
 REFERENCE/DOCKET NUMBER: 03495.0106-03000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 107:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 274 amino acids  
 TYPE: amino acid  
 TOPOLOGY: Linear  
 MOLECULE TYPE: Peptide  
 US-08-484-905-107

Query Match 72.6%; Score 852; DB 1; Length 274;  
 Best Local Similarity 73.5%; Pred. No. 2.5e-80;  
 Matches 15; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

Qy 1 IAVEYDDDTQFLRFDSDAIPRMEEPREPVEQEGPOYEMTTGAKANAOQDVALNL 60  
 Db 47 IAVGYDDTQFVRFDSDAISRMEEFRAPWIEQEGPYMDGETRKVKAHSQTHVDSLTLR 106

Qy 61 RYNGSEASHTLQCMNGCDMGPDRGLLIGYHQHAWDGDYIISNEDLSWTAADTVQI 120  
 Db 107 GYNNSEASHTVQMYGCDVGSRPLRGYHQAYDGDYIAKEDLSWTAADMARQT 142

Qy 121 TQRFYAEEYAEFRYLEGECLLRLYYLEGKETLQRADPPKAHVAAHPISDHEATLR 180

RESULT 15

US-08-484-905-108

Sequence 108, Application US/08484905

Patent No. 5976551

GENERAL INFORMATION:

APPLICANT: Mottez, Estelle

APPLICANT: Abastado, Jean-Pierre

APPLICANT: Kourilsky, Philippe

TITLE OF INVENTION: An Altered Major Histocompatibility Complex(MHC) Determinant and Methods for Using the

TITLE OF INVENTION: Determinant

NUMBER OF SEQUENCES: 127

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

ADDRESS: Dunner

STREET: 1300 I Street, N.W., Suite 700

CITY: Washington

STATE: D.C.

ZIP: 20005-3315

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS-/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,905

FILING DATE: 07-JUNE-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/801,818

FILING DATE: 05-DEC-1991

CLASSIFICATION: 530

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/792,473

FILING DATE: 15-NOV-1991

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Potter, Jane E. R.

REGISTRATION NUMBER: 33,332

REFERENCE/DOCKET NUMBER: 03495.0106-03000

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-408-4000

TELEFAX: 202-408-4400

INFORMATION FOR SEQ ID NO: 108:

SEQUENCE CHARACTERISTICS:

LENGTH: 274 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-484-905-108

Query Match 72.4%: Score 852; DB 1; Length 274;

Best Local Similarity 73.5%; Pred. No. 2.5e-80;

Matches 158; Conservative 18; Mismatches 39; Indels 0; Gaps 0;

Qy 1 IAVEYYDDTOFLRFDSDAIPRMPREPWPWBOEGPQYWENTTGAYAKANQTDVALRNLL 60

Db 23 IAVGYTDDTQFVRFDSDAIPRMPREPWPWBOEGPQYWENTTGAYAKANQTDVALRNLL 82

Qy 61 RRYNQSEAGSHTLQGNGCDNGPDRGLRGHQHMDGKDYISLNEDLRSYTAADTVQI 120

Db 83 GYYNQSEAGSHTLQRMGCDVGSWRFLRGHQYDGDYKTAALKEDLRSWTAADMAQT 142

Qy 121 TORFYAEAEYAYEAEFRTYLGECECLLRLYENKGKETLQRDTAPKTHMTHAVSDHEATLRL 180

Db 143 TKHKWEEAHYAEQWQAYLEB7C7VETLRLYENKGKETLQRDTAPKTHMTHAVSDHEATLRL 202

Qy 181 CWALGFYPAETLTLWQDGEQTQDTELVTRPAG 215

Db 203 CWALSFYPAETLTLWQDGEQTQDTELVTRPAG 237

Search completed: April 7, 2006, 12:41:55

Job time : 21.2221 secs

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OM protein - protein search, using sw model

Run on: April 7, 2006, 13:01:26 ; Search time 9.85311 Seconds (without alignments)

680.625 Million cell updates/sec

Title: US-09-819-371-6

Perfect score: 1173

Sequence: 1 IAVFVYDDTQFLRFDSAAI.....QRDGEEQTQDTLEVTRPAG 215

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 184161 seqs, 31191982 residues

Total number of hits satisfying chosen parameters: 184161

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database : Published Applications AA\_New:\*

1: /SIDSS/ptodata/1/pubpa/\_pubpa/\_US08 NEW PUB.PEP:\*

2: /SIDSS/ptodata/1/pubpa/\_US06 NEW PUB.PEP:\*

3: /SIDSS/ptodata/1/\_pubpa/\_US07 NEW PUB.PEP:\*

4: /SIDSS/ptodata/1/\_pubpa/\_US08 NEW PUB.PEP:\*

5: /SIDSS/ptodata/1/\_pubpa/\_US09 NEW PUB.PEP:\*

6: /SIDSS/ptodata/1/\_pubpa/\_US10 NEW PUB.PEP:\*

7: /SIDSS/ptodata/1/\_pubpa/\_US11 NEW PUB.PEP:\*

8: /SIDSS/ptodata/1/\_pubpa/\_US60 NEW PUB.PEP:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	869	74.1	338	6 US-10-821-224-1565	Sequence 1565, Ap
2	852	72.6	530	6 US-10-895-805-4	Sequence 4, Appli
3	845	72.0	365	6 US-10-821-224-1575	Sequence 1575, Ap
4	791	67.4	358	6 US-10-821-224-1563	Sequence 1563, Ap
5	755	64.4	575	6 US-10-895-805-2	Sequence 2, Appli
6	624	53.2	284	7 US-11-072-512-3648	Sequence 3648, Ap
7	466	39.7	209	7 US-11-072-512-1978	Sequence 1978, Ap
8	330.5	28.5	295	7 US-11-177-506-52	Sequence 52, Appli
9	285.5	24.3	280	6 US-10-995-561-655	Sequence 655, App
10	243	24.3	348	6 US-10-995-561-649	Sequence 649, App
11	285.5	24.3	348	7 US-11-252-452-2	Sequence 2, Appli
12	282.5	24.1	325	6 US-10-995-561-657	Sequence 652, App
13	248.5	21.2	334	6 US-10-995-561-658	Sequence 658, App
14	227	19.4	150	7 US-11-072-512-3304	Sequence 3304, Ap
15	223	19.1	260	6 US-10-995-561-651	Sequence 651, App
16	195.5	16.7	365	6 US-10-521-053-4	Sequence 4, Appli
17	186.5	15.9	246	6 US-10-995-561-657	Sequence 657, App
18	139	11.8	333	7 US-11-181-234-5	Sequence 5, Appli
19	139	11.8	333	7 US-11-181-234-7	Sequence 7, Appli
20	137.5	11.7	327	7 US-11-181-234-3	Sequence 3, Appli
21	131.5	11.2	256	6 US-10-995-561-654	Sequence 654, App
22	124.5	10.6	161	6 US-10-995-561-653	Sequence 653, App
23	107	9.1	179	6 US-10-884-730-84	Sequence 84, Appli
24	106.5	9.1	242	6 US-10-995-561-648	Sequence 648, App
	9.0	266	6 US-10-884-730-85	Sequence 85, Appli	

## ALIGNMENTS

RESULT 1  
US-10-821-234-1565

; Sequence 1565, Application US/10821234

; Publication No. US20050255114A1

; GENERAL INFORMATION:

; APPLICANT: Labat, Ivan

; APPLICANT: Stache-Crain, Birgit

; APPLICANT: Andarmani, Susan

; APPLICANT: Tang, Y. Tom

; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

; FILE REFERENCE: 821A

; CURRENT APPLICATION NUMBER: US/10-821-234

; CURRENT FILING DATE: 2004-04-07

; PRIOR APPLICATION NUMBER: US 60/462,047

; PRIOR FILING DATE: 2003-04-07

; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: PE\_Seq\_Genes Version 1.0

; SEQ ID NO 1565

; LENGTH: 338

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-821-234-1565

Query Match 74.1%; Score 869; DB 6; Length 338;

Best Local Similarity 74.9%; Pred. No. 2.4e-69;

Matches 161; Conservative 19; Mismatches 35; Indels 0; Gaps 0;

Qy 1 I AVEYDDTQFLRFPSDAI PRMEPREPMEVQEGBPOWEMTGYAKANAQTDRVALRNLL 60

Db 47 IAMGVDDTQVRFSDSA CPMERAPWVQEGBYWEBTRNTKAHQCDRMLQTLR 106

Qy 61 RRYNGSEBAGSHTLQCMNGCDMG PDRLLRQYHQHWDGNDYIISANEDLRSWTAATVQI 120

Db 107 GYNNSEASHTLQMGCDLGSDRLLRQYEQVYDGKDYLJANEDLRSWTAATVQI 166

Qy 121 TQRFPEBABYAEFFTYLRQCLBLRRLYENGKTLQRADPKHVAHHPISDHEATLR 180

Db 167 SKRKEAANVAEQRAYLSTCVMHLRENGKEMLQRADPKRTHVHPVDFBTLR 226

Qy 181 CWALGFYPAETITLWQDGRHQQTQDTELYTRPAG 215

Db 227 CWALGFYPAETITLWQDGEDQTQDVELTRPAG 261

RESULT 2  
US-10-995-805-4

; Sequence 4, Application US/10995805

; Publication No. US20050287631A1

GENERAL INFORMATION:

APPLICANT: KROENKE, MARTIN

APPLICANT: ZAVAZAVA, NICHOLAS

TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS

FILE REFERENCE: IOWA:05US

CURRENT APPLICATION NUMBER: US/10/995, 805

CURRENT FILING DATE: 2004-11-23

PRIOR APPLICATION NUMBER: 60/524, 988

PRIOR FILING DATE: 2003-11-25

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 4

ORGANISM: Homo sapiens

LENGTH: 530

TYPE: PPT

US-10-995-805-4

Query Match 72.6%; Score 852; DB 6; Length 530;

Best Local Similarity 73.5%; Pred. No. 1.2e-67; Mismatches 37; Indels 0; Gaps 0;

Matches 158; Conservative 158; Score 852; DB 6; Length 530;

Query 1 IAVEYDDTOFLRFDSDAIPRMEPREPQVQEPOWEMTTGAKANAOQTDRVALNLL 60

Db 47 IAVGYDDSQVQFDSDAOSRMEPAPWLEQEPYWDPESTRYKAHSQINRANGLTLR 106

Query 61 RYNNQSEAGSHTLQGMNGCDMGPDGRLLRGYHQAWDGKDYISLNEDELSWTAADTAQI 120

Db 107 GYNNQSEGSHTIQMGCDVGSDEGRFLRGYQDAYDGKDYTAALNEDLSWTAADMAAQI 166

Query 121 TQRFYEAEEFRYTYLEGECLELLRYLENGKETLQRADPPKAHVAAHPISDEHATLR 180

Db 167 TKRKNEAARRQQAYLEPQVQDGDYCDGKETLQRADPPKTHMTHPISDEHATLR 226

Query 181 CWALGFPYPAEITLTWQDGEFTQDTELVTRPAG 215

Db 227 CWALSFYPYPAEITLTWQDGEDQDTELVTRPAG 261

RESULT 3

US-10-821-234-1575

Sequence 1575, Application US/10821234

Publication No. US20050255114A1

GENERAL INFORMATION:

APPLICANT: Labat, Ivan

APPLICANT: Stache-Crain, Birgit

APPLICANT: Andarmani, Susan

APPLICANT: Tang, Y. Tom

TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

FILE REFERENCE: 821A

CURRENT APPLICATION NUMBER: US/10/821, 234

PRIOR APPLICATION NUMBER: US 60/462, 047

NUMBER OF SEQ ID NOS: 1704

SOFTWARE: pt\_seq\_genes Version 1.0

SEQ ID NO 1563

Query Match 67.4%; Score 791; DB 6; Length 358;

Best Local Similarity 68.8%; Pred. No. 1.9e-62; Mismatches 20; Indels 0; Gaps 0;

Matches 148; Conservative 148; Score 791; DB 6; Length 358;

Query 1 IAVEYDDTOFLRFDSDAIPRMEPREPQVQEPOWEMTTGAKANAOQTDRVALNLL 60

Db 44 ISVGVDDTOQVRFNDAAOSPRMVRAPWNEQEGGBYWDRETRSDAQTQFVNLRLR 103

Query 61 RYNNQSEAGSHTLQGMNGCDMGPDGRLLRGYHQAWDGKDYISLNEDELSWTAADTAQI 120

Db 104 GYNNQSEAGSHTLQGMNGCDVGSDEGRFLRGYQDQAYDGKDYTAALNEDLSWTAADTAQI 163

Query 121 TQRFYEAEEFRYTYLEGECLELLRYLENGKETLQRADPPKAHVAAHPISDEHATLR 180

Db 164 SEQKSNDASEAEEHQAYLEPQVQDGDYCDGKETLHLUEPKTHVTHPISDEHATLR 223

Query 181 CWALGFPYPAEITLTWQDGEFTQDTELVTRPAG 215

Db 224 CWALSFYPYPAEITLTWQDGEDQDTELVTRPAG 258

RESULT 5

US-10-995-805-2

Sequence 2, Application US/10995805

Publication No. US20050287531A1

GENERAL INFORMATION:

APPLICANT: KROENKE, MARTIN

APPLICANT: ZAVAZAVA, NICHOLAS

TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS

FILE REFERENCE: IOWA:05AUS

CURRENT APPLICATION NUMBER: US/10/995, 805

PRIOR APPLICATION NUMBER: 2004-11-23

PRIOR FILING DATE: 2003-04-07

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 575

TYPE: PPT

Query Match 72.0%; Score 845; DB 6; Length 365;

Best Local Similarity 73.0%; Pred. No. 3.4e-67; Mismatches 40; Indels 0; Gaps 0;

Matches 157; Conservative 18; Score 845; DB 6; Length 365;

Query 1 IAVEYDDTOFLRFDSDAIPRMEPREPQVQEPOWEMTTGAKANAOQTDRVALNLL 60

Db 47 IAVGYDDSQVQFDSDAOSRMEPAPWLEQEPYWDPESTRYKAHSQINRANGLTLR 106

Query 61 RYNNQSEAGSHTLQGMNGCDMGPDGRLLRGYHQAWDGKDYISLNEDELSWTAADTAQI 120

Db 107 GYNNQSEAGSHTVQMYGCDVGSDEGRFLRGYQDQAYDGKDYTAALNEDLSWTAADMAAQI 166

Db	121	NAVBORRAYLEGTCYEWLHYLENGEMIQLRADPPPTHVTIHPVFDYEATLRCWALGFYP 180
Qy	189	ABITIWORGEETQDTLEVTRAG 215
Db	181	AETIWORGEETQDTVELVETRAG 207
Qy	1	IAVBYVDTQFQFDSAAIPRMMPREPWWBQGPQWTEWYAKANAQDTVALRNLL 60
Db	47	ISVYGDHTEFPRPDSDENPRYERPRAPMWERGPDYEROKAGNBQNTVSLRNLR 106
Qy	61	RRYNOSERAGSHTLQGMNGICDMGPDRGLLRYGHQHAWDGKDYLISUNRDURSLRSTAADTYAQI 120
Db	107	GYNQSEGGSHTIQRMGCDVGTDGLSLRGYRDYDAYGRDYLTALENDIKWTADFAQI 166
Qy	121	TQRPYEAEEYAEFRTYLEGECLELLRRLYLENGKETLQRADPPKAYAHPISDHEATLRL 180
Db	167	TRNKWDGAVAFRLRVLAYLEGTCYEWLRYLENGKETLQRADPPKAYHTLHPPBGDTLR 226
Qy	181	CWALGFTPAETITLWORDGEETQDTLEVETRAG 215
Db	227	CWALGFTPADISLSWQNLGEDLTQDMELVETRAG 261
Qy	6	RESULT 6
Db	11-072-512-3648	Sequence 3648, Application US/11072512
		Publication No. US2006029945A1
		GENERAL INFORMATION:
		APPLICANT: ISOGAI, TAKAO
		APPLICANT: SUGIYAMA, TOMOYASU
		APPLICANT: OTSUKI, TETSUJI
		APPLICANT: WAKAMATSU, AI
		APPLICANT: SATO, HIROYUKI
		APPLICANT: ISHII, SHIZUKO
		APPLICANT: YAMAMOTO, JUN-ICHI
		APPLICANT: ISONO, YUKO
		APPLICANT: HIO, YURI
		APPLICANT: OTSUKA, KAORU
		APPLICANT: NAGAI, KEIICHI
		APPLICANT: IRIE, RIOTARO
		APPLICANT: TAMECHIKA, ICHIRO
		APPLICANT: SEKI, NAOHIKO
		APPLICANT: YOSHIKAWA, TSUTOMU
		APPLICANT: MOTOKI, KENJI
		APPLICANT: MASUO, YASUHIKO
		TITLE OF INVENTION: Novel full length cDNA
		FILE REFERENCE: 08435-0191
		CURRENT APPLICATION NUMBER: US/11/072,512
		PRIOR APPLICATION NUMBER: 2005-03-07
		PRIOR APPLICATION NUMBER: US 60/350,978
		PRIOR FILING DATE: 2002-01-25
		PRIOR APPLICATION NUMBER: JP 2001-379298
		PRIOR FILING DATE: 2001-11-05
		NUMBER OF SEQ ID NOS: 4096
		SOFTWARE: PatentIn Ver. 2.1
		SEQ ID NO: 1978
		LENGTH: 209
		TYPE: PRT
		ORGANISM: Homo sapiens
		US-11-072-512-1978
Qy	39	Query Match 39.7%; Score 466; DB 7; Length 209;
		Best Local Similarity 68.7%; Pred. No. 4.8e-34;
		Matches 90; Conservative 14; Mismatches 27; Indels 0; Gaps 0;
Db	40	VBQGPQTWBWTTGKANATAQDTVALRNLLRQSEAGSHTLQGMGCDMGPDRLLR 89
		1 MERRGPEMDRNTIQICKAQARTERENLRLARYNQSEGSSHTMQYMGCDVGPDRPLC 60
Qy	90	GYTHAWDGKDYTSLNEDLSRWTAAQTQREYEAEEYAEFRTYLEGECLEBLRRY 128
Db	61	GYBHDYHGDYDIAALNEDLSRWTAAQTKRKEWARRAEQRVYLEGEBFVETLRRY 149
		SEQ ID NO: 3648
		LENGTH: 284
		TYPE: PRT
		ORGANISM: Homo sapiens
		US-11-072-512-3648
Qy	121	LENCKETLORA 131
Db	121	LENCKETLORA 131
Qy	8	RESULT 8
Db	11-177-506-52	Sequence 52, Application US/11177506
		Publication No. US2006029956A1
		GENERAL INFORMATION:
		APPLICANT: Beyer, Wayne F.
		APPLICANT: Venetta, Thomas M.
		APPLICANT: Groelke, John W.
		APPLICANT: Blaebus, Rainer H.
		TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE
Qy	69	GSHTLCMNGCDMGPDRGLLRYGHQHAWDGKDYISLNEDLSRWTAAQTQREYAE 128
Db	61	GSHTLCMNGCDGDRLLRQYTAQDGYDIAALNEDLSRWTAAQTKRKEA 120
		SEQ ID NO: 3648
		LENGTH: 284
		TYPE: PRT
		ORGANISM: Homo sapiens
		US-11-072-512-3648

1   TITLE OF INVENTION: DETECTION OF OVARIAN DISEASE  
 1   FILE REFERENCE: 46143/294851  
 1   CURRENT APPLICATION NUMBER: US/11/177,506  
 1   CURRENT FILING DATE: 2005-07-08  
 1   PRIOR APPLICATION NUMBER: 60/586,856  
 1   PRIOR FILING DATE: 2004-07-09  
 1   NUMBER OF SEQ ID NOS: 52  
 1   SOFTWARE: FastSEQ for Windows Version 4.0  
 1   SEQ ID NO: 52  
 1   LENGTH: 295  
 1   TYPE: PRT  
 1   ORGANISM: Homo sapiens  
 US-11-177-506-52

Query Match   28.2%;   Score 330.5;   DB 7;   Length 295;  
 Best Local Similarity 35.6%;   Pred. No. 6.5e-22;  
 Matches 74;   Conservative 38;   Mismatches 89;   Indels 7;   Gaps 5;  
 Qy    2 AVEYVDDTQFLRFDSDAAIPMMPREPWWBEGPQWWTGYAKANAQTDVRLRNLLR 61  
 Db    46 ALGSALNDQFLPRYNSKDR--KSOPMELWPGMDDWQDQSLQARQDIFMETYKDIV 103  
 Qy    62 RYNQSEAGSHTLQINGCDMGPDGRLLRGYHAWDGKDYISLNEDLSWTAAADTVQI 121  
 Db    104 YNDSN GHYTLQGRGC1-EANRSGAFWQKXYTDGKTYLEFNGEIPANVFPDAAQIT 161  
 Qy    122 QRPYEEAE-YAEEFTYLEGECLELLRRLYKENGKFLQRADPPKAVAHPISHNEATR 180  
 Db    162 KOKWEAEPYVYQRAYLEEECPATLRLKLYSKNLLDRQDPPSVVTTSHQAPGKKKLKR 221  
 Qy    181 CWALGFPAETTLLWORDGBEQTDTEL 208  
 Db    222 CLAYDYPGKDVHNTTAGE--VQEPBL 247  
 Qy    24.3%;   Score 285.5;   DB 6;   Length 280;  
 Db    24.3%;   Score 285.5;   DB 7;   Length 348;  
 Matches 72;   Conservative 37;   Mismatches 95;   Indels 9;   Gaps 7;  
 Qy    2 AVEYVDDTQFLRFDSDAAIPMMPREPWWBEGPQWWTGYAKANAQTDVRLRNLLR 60  
 Db    49 ALGYVDDQFLFVYDHSR--RVEPRTPWVSSRISQMLQLSQSLKGWDMFTVDFWTIM 106  
 Qy    61 RRYNQSEAGSHTLQINGCDMGPDGRLLRGYHAWDGKDYISLNEDLSWTAAADTVQI 120  
 Db    107 ENHNSIKE-SHTLQVTLGCEQDENS-TEGYWKYGDQVPLVYKUTTH-VTSSVTL 223  
 Qy    24.3%;   Score 285.5;   DB 8;   Length 348;  
 Db    24.3%;   Score 285.5;   DB 9;   Length 348;  
 Matches 72;   Conservative 37;   Mismatches 95;   Indels 9;   Gaps 7;

RESULT 9  
 US-10-995-561-655  
 ; Sequence 655, Application US/10995561  
 ; Publication No. US20050272054A1  
 ; GENERAL INFORMATION:  
 ;   APPLICANT: CARGILL, Michele et al.  
 ;   TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ;   TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ;   TITLE OF INVENTION: DETECTION AND USES THEREOF  
 ;   FILE REFERENCE: CLO01559  
 ;   CURRENT APPLICATION NUMBER: US/10/995,561  
 ;   CURRENT FILING DATE: 2004-11-24  
 ;   NUMBER OF SEQ ID NOS: 85702  
 ;   SOFTWARE: FastSEQ for Windows Version 4.0  
 ;   SEQ ID NO: 655  
 ;   LENGTH: 280  
 ;   TYPE: PRT  
 ;   ORGANISM: Homo sapiens  
 US-10-995-561-655

Query Match   28.2%;   Score 330.5;   DB 7;   Length 295;  
 Best Local Similarity 35.6%;   Pred. No. 6.5e-22;  
 Matches 74;   Conservative 38;   Mismatches 89;   Indels 7;   Gaps 5;  
 Qy    2 AVEYVDDTQFLRFDSDAAIPMMPREPWWBEGPQWWTGYAKANAQTDVRLRNLLR 61  
 Db    49 ALGYVDDQFLFVYDHSR--RVEPRTPWVSSRISQMLQLSQSLKGWDMFTVDFWTIM 106  
 Qy    61 RRYNQSEAGSHTLQINGCDMGPDGRLLRGYHAWDGKDYISLNEDLSWTAAADTVQI 120  
 Db    107 ENHNSIKE-SHTLQVTLGCEQDENS-TEGYWKYGDQVPLVYKUTTH-VTSSVTL 223  
 Qy    24.3%;   Score 285.5;   DB 8;   Length 348;  
 Db    24.3%;   Score 285.5;   DB 9;   Length 348;  
 Matches 72;   Conservative 37;   Mismatches 95;   Indels 9;   Gaps 7;

RESULT 11  
 US-11-252-452-2  
 ; Sequence 2, Application US/11252452  
 ; Publication No. US20060051806A1  
 ; GENERAL INFORMATION:  
 ;   APPLICANT: Rothenberg, et al.  
 ;   TITLE OF INVENTION: Mutations associated with iron disorders  
 ;   FILE REFERENCE: 24065-004 CON2  
 ;   CURRENT APPLICATION NUMBER: US/11/252,452  
 ;   CURRENT FILING DATE: 2006-10-18  
 ;   PRIOR APPLICATION NUMBER: 09/981,606  
 ;   PRIOR FILING DATE: 2001-10-16  
 ;   PRIOR APPLICATION NUMBER: 09/277,457  
 ;   PRIOR FILING DATE: 1999-03-26  
 ;   NUMBER OF SEQ ID NOS: 30  
 ;   SOFTWARE: PatentIn Ver. 2.1  
 ;   SEQ ID NO: 2  
 ;   LENGTH: 348  
 ;   TYPE: PRT  
 ;   ORGANISM: Homo sapiens  
 US-11-252-452-2

Query Match   28.2%;   Score 330.5;   DB 7;   Length 295;  
 Best Local Similarity 35.8%;   Pred. No. 5.7e-18;  
 Matches 72;   Conservative 37;   Mismatches 95;   Indels 9;   Gaps 7;  
 Qy    2 AVEYVDDTQFLRFDSDAAIPMMPREPWWBEGPQWWTGYAKANAQTDVRLRNLLR 60  
 Db    49 ALGYVDDQFLFVYDHSR--RVEPRTPWVSSRISQMLQLSQSLKGWDMFTVDFWTIM 106  
 Qy    61 RRYNQSEAGSHTLQINGCDMGPDGRLLRGYHAWDGKDYISLNEDLSWTAAADTVQI 120  
 Db    107 ENHNSIKE-SHTLQVTLGCEQDENS-TEGYWKYGDQVPLVYKUTTH-VTSSVTL 223  
 Qy    24.3%;   Score 285.5;   DB 8;   Length 348;  
 Db    24.3%;   Score 285.5;   DB 9;   Length 348;  
 Matches 72;   Conservative 37;   Mismatches 95;   Indels 9;   Gaps 7;

Qy 61 RRYNOSEAGSHTLQGMNGCDMGPDGRLLRGYHQHAWDGKDYLISLNEDRSWTAADTVQI 120  
 Db 107 ENFHNSKE-SHTLQVILGCEMQDNS-TEGYWKYGYDQGDHLEFCPTLDWRAEPRAWP 164  
 Qy 121 TQPFYBAAEY-AEEFRTYLEGCECLLRLRYLENGKETLQRADPQKAHHPISDHEATL 179  
 Db 165 EWERHKIRARONRAYLDERCPAQLQQLBLRGVLDQVPLVKTTH-VTSSVTLL 223  
 Qy 180 RCPALGFPYTAEITLTWQDGBEBOQDFTLVELTR 212  
 Db 224 RCPALNTYQONITMKWLKD--KOPMDAKEFBPK 254

RESULT 12  
 US-10-995-561-652  
 ; Sequence 652, Application US/10995561  
 ; Publication No. US2005027205411  
 ; GENERAL INFORMATION  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; FILE REFERENCE: CLO01559  
 ; CURRENT FILING DATE: 2004-11-24  
 ; NUMBER OF SEQ ID NOS: 85702  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 652  
 ; LENGTH: 325  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 us-10-995-561-652

Query Match 24.1%; Score 282.5; DB 6; Length 325;  
 Best Local Similarity 33.8%; Pred. No. 1.2e-17;  
 Matches 71; Conservative 36; Mismatches 94; Indels 9; Gaps 7;

Qy 5 YVDPTQPLRPSDAIPRMEPREPTEVQE-GPOQWEMTGYAKANQDTRVALNLLRY 63  
 Db 29 YVDDOLFVYDHSR--RVEPPTWSSRISQMMTQLSQSLKGDHMFTDFWTIMENR 86  
 Qy 64 NOSEASHTLQGMNGCDMGPDGRLLRGYHQHAWDGKDYLISLNEDRSWTAADTVQITR 123  
 Db 87 NSHSKE-SHTLQVILGCEMQDNS-TEGYWKYGYDQGDHLEFCPTLDWRAEPRAWPTL 144  
 Qy 124 FYBAAEY-AEEFRTYLEGCECLLRLRYLENGKETLQRADPQKAHHPISDHEATLRCW 182  
 Db 145 EWERHKIRARONRAYLDERCPAQLQQLBLRGVLDQVPLVKTTH-VTSSVTLLRCR 203  
 Qy 183 ALGFYPAEITLTWQDGBEBOQDFTLVELTR 212  
 Db 204 ALNYYPONITMKWLKD--KOPMDAKEFBPK 231

RESULT 13  
 US-10-995-561-658  
 ; Sequence 658, Application US/10995561  
 ; Publication No. US2005027205411  
 ; GENERAL INFORMATION  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 ; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; FILE REFERENCE: CLO01559  
 ; CURRENT FILING NUMBER: US/10/995, 561  
 ; CURRENT FILING DATE: 2004-11-24  
 ; NUMBER OF SEQ ID NOS: 85702  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 658  
 ; LENGTH: 334  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

us-10-995-561-658

Query Match 21.2%; Score 248.5; DB 6; Length 334;  
 Best Local Similarity 31.5%; Pred. No. 1.3e-14;  
 Matches 67; Conservative 35; Mismatches 88; Indels 23; Gaps 7;

Qy 2 AVBYVDDTQPLRPSDAIPRMEPREPTEVQE-GPOQWEMTGYAKANQDTRVALNLL 60  
 Db 49 ALGYVDDOLFVYDHSR--RVEPPTWSSRISQMMTQLSQSLKGDHMFTDFWTIM 106  
 Qy 61 RRYNOSEAGSHTLQGMNGCDMGPDGRLLRGYHQHAWDGKDYLISLNEDRSWTAADTVQI 120  
 Db 107 ENHNHSKE-SHTLQVILGCEMQDNS-TEGYWKYGYDQGDHLEFCPTLDWRAEPRAWP 164  
 Qy 121 TQFYEABEY-AEEFRTYLEGCECLLRLRYLENGKETLQRADPQKAHHPISDHEATL 179  
 Db 165 TKELEWHRHKIRARONRAYLBRDCPAGLQQLBLGRGVLDQ-----gyTTL 209  
 Qy 180 RCWALGFPYPAEITLTWQDGEEQTQDFTLVELTR 212  
 Db 210 RCRALNYYQPQNTMKWLKD--KOPMDAKEFBPK 240

RESULT 14  
 US-11-072-512-3304  
 ; Sequence 3304, Application US/11072512  
 ; Publication No. US20060029945A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ISOGAI, TAKAO  
 ; APPLICANT: SUGIYAMA, TOMOYASU  
 ; APPLICANT: OTSUKI, TETSUJI  
 ; APPLICANT: WAKANATSU, AI  
 ; APPLICANT: SATO, HIROYUKI  
 ; APPLICANT: ISHII, SHIZUKO  
 ; APPLICANT: YAMAMOTO, JUN-ICHI  
 ; APPLICANT: ISONO, YUTKO  
 ; APPLICANT: HIO, YURI  
 ; APPLICANT: NAGAI, KEIICHI  
 ; APPLICANT: IRIE, RYOTARO  
 ; APPLICANT: TAMECHIKI, ICHIRO  
 ; APPLICANT: SEKI, NASHIKO  
 ; APPLICANT: YOSHIKAWA, TSUTOMU  
 ; APPLICANT: OTSUKA, MOTOKI  
 ; APPLICANT: NAGAHARI, KENJI  
 ; APPLICANT: MASTRO, YASUHIKO  
 ; TITLE OF INVENTION: Novelty  
 ; FILE REFERENCE: 084335-0191  
 ; CURRENT APPLICATION NUMBER: US/11/072,512  
 ; CURRENT FILING DATE: 2006-03-07  
 ; PRIOR APPLICATION NUMBER: US 60/350,978  
 ; PRIOR FILING DATE: 2002-01-25  
 ; PRIOR APPLICATION NUMBER: JP 2001-379298  
 ; PRIOR FILING DATE: 2001-11-05  
 ; NUMBER OF SEQ ID NOS: 4096  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 3304  
 ; LENGTH: 150  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

us-11-072-512-3304

Query Match 19.4%; Score 227; DB 7; Length 150;  
 Best Local Similarity 83.0%; Pred. No. 4e-13;  
 Matches 39; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 169 HHPISDHEATLRCWALGFPYPAEITLTWQDGEBOQDFTLVELTRPAG 215  
 Db 3 HHSVSDYKATLRCWALGFPVBTITQDMLVELTRPAG 49

RESULT 15  
 US-10-995-561-651

Sequence 651, Application US/10995561  
Publication No. US20050272054A1  
GENERAL INFORMATION:  
APPLICANT: CARGILL, Michele et al.  
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
TITLE OF INVENTION: DETECTION AND USES THEREOF  
FILE REFERENCE: C101559  
CURRENT APPLICATION NUMBER: US/10/995,561  
CURRENT FILING DATE: 2004-11-24  
NUMBER OF SEQ ID NOS: 15702  
SEQ ID NO: 651  
SOFTWARE: FastSEQ for Windows Version 4.0  
LENGTH: 260  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-995-561-651

Query Match 19.1%; Score 223.5; DB 6; Length 260;  
Best Local Similarity 36.1%; Pred. No. 1.5e-12;  
Matches 52; Conservave 26; Mismatches 61; Indels 5; Gaps 4;

Matches 52; Conservave 26; Mismatches 61; Indels 5; Gaps 4;

Qy 70 SHTLQGMNGCDMGPGRLLRQYHQHAWDGDYISLNEDLSWTAAADTVQITQRFYEAEE 129  
Db 27 SHTLQVTLGEMQEDNS-TESYWKYGDODHLECPDYLWRAAEPRAPTKLEWERIK 85

Qy 130 Y-AEBFRYLGECLLRLYLENGETLQRADPPRAHVARHPISDHEATLRCWALGFYP 188  
Db 86 IRARQNTAYLERDCAQQLLELRGVLDQQVPLVVKVTH-VTSSVTTLRCRANLYP 144

Qy 189 AEITLTWQRDGEETQTCOTDLYETR 212  
Db 145 QNITMKWLKD--KOPMDAKEFEPK 166

Search completed: April 7, 2006, 13:06:43  
Job time : 10.8531 secs

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OM protein - protein search, using bw model

Run on: April 7, 2006, 13:01:26 ; Search time 16.5899 Seconds (without alignments)

680.625 Million cell updates/sec

Title: US-09-819-371-4

Perfect score: 1922

Sequence: 1 MAPRSLLIISGALALTDIWI.....QAAVTDQAQGSGVSLTANKV 362

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 184161 seqs, 311.91982 residues

Total number of hits satisfying chosen parameters: 184161

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA\_New.\*

1: /SIDSS/podata/1/pubpaa/US08\_NEW\_PUB.pep:\*

2: /SIDSS/podata/1/pubpaa/US06\_NEW\_PUB.pep:\*

3: /SIDSS/podata/1/pubpaa/US07\_NEW\_PUB.pep:\*

4: /SIDSS/podata/1/pubpaa/PC1\_NEW\_PUB.pep:\*

5: /SIDSS/podata/1/pubpaa/US05\_NEW\_PUB.pep:\*

6: /SIDSS/podata/1/pubpaa/US10\_NEW\_PUB.pep:\*

7: /SIDSS/podata/1/pubpaa/US11\_NEW\_PUB.pep:\*

8: /SIDSS/podata/1/pubpaa/US60\_NEW\_PUB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1493	77.7	365	6 US-10-821-234-1575	Sequence 1575, AP
2	1424	74.1	338	6 US-10-821-234-1565	Sequence 1565, AP
3	1350	70.2	358	6 US-10-821-234-1563	Sequence 1563, AP
4	1239.5	64.5	530	6 US-10-935-805-4	Sequence 4, Appli
5	1126.5	58.6	575	6 US-10-935-805-2	Sequence 2, Appli
6	985	51.2	284	7 US-11-072-512-3648	Sequence 3648, AP
7	625	32.5	150	7 US-11-072-512-3304	Sequence 3304, AP
8	519.5	27.0	348	6 US-10-935-561-649	Sequence 649, AP
9	519.5	27.0	348	7 US-11-352-452-2	Sequence 2, Appli
10	482.5	25.2	325	6 US-10-935-561-652	Sequence 652, APP
11	482.5	25.1	334	6 US-10-935-561-658	Sequence 658, APP
12	481.5	25.1	295	7 US-11-177-505-52	Sequence 52, Appli
13	470.5	24.5	209	7 US-11-072-512-1978	Sequence 1978, AP
14	418.5	21.8	260	6 US-10-935-561-651	Sequence 651, APP
15	381.5	19.8	246	6 US-10-935-561-657	Sequence 657, APP
16	381.5	19.8	365	6 US-10-521-053-4	Sequence 4, Appli
17	370	19.3	280	6 US-10-935-561-655	Sequence 655, APP
18	362.5	18.9	256	6 US-10-935-561-654	Sequence 654, APP
19	318.5	17.6	242	6 US-10-935-561-648	Sequence 648, APP
20	289.5	15.1	168	6 US-10-935-561-656	Sequence 656, APP
21	221	11.5	57	6 US-10-517-781-2	Sequence 2, Appli
22	218	11.3	327	7 US-11-181-234-3	Sequence 3, Appli
23	189.5	9.9	333	7 US-11-181-234-5	Sequence 5, Appli
24	189.5	9.9	333	7 US-11-181-234-7	Sequence 7, Appli
25	178.5	9.3	266	6 US-10-884-730-85	Sequence 85, Appli

## ALIGNMENTS

RESULT 1  
US-10-821-234-1575

Query Match 77.7%; Score 1493; DB 6; Length 365;

Best Local Similarity 77.6%; Pred. No. 1.7e-111; Mismatches 52; Indels 0; Gaps 0;

Matchers 281; Conservative 29; Mismatches 52;

GENERAL INFORMATION: Application US/10821234

APPLICATION: Labat, Ivan

APPLICANT: Stache-Crain, Birgit

APPLICANT: Andarmani, Susan

APPLICANT: Tang, Y. Tom

TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

FILE REFERENCE: 821A

CURRENT FILING DATE: US/10-821-234

PRIOR APPLICATION NUMBER: US 60/462,047

PRIOR FILING DATE: 2003-04-07

NUMBER OF SEQ ID NOS: 1704

SOFTWARE: pt\_Seq\_Genes Version 1.0

SEQ ID NO 1575

LENGTH: 365

TYPE: PRT

ORGANISM: Homo sapiens

US-10-821-234-1575

1 MAPRSTLILLSGALALTDIWAGSHSLRYPFSTAVSPRGGRGPRYIAVBYVDDTQFLRFDSD 60

4 MAPRTIVLLSGALALQTWAGSHSNRYFFTSVSPRGGRGPRFIAVGYVDDTQFRFDSD 63

61 AAIPRKEPREPWPVQEQPOTNEWTGYAKANAAQTDRYALMLRPRYNQSREGSHTQLGMN 120

64 AASQRNEPRAFWIEQGPETWQDGETKEVKAHSQTHVQDGLTGRYTNQSAGSHTQVQMY 123

Qy 1 MAPRSTLILLSGALALTDIWAGSHSLRYPFSTAVSPRGGRGPRYIAVBYVDDTQFLRFDSD 60

4 MAPRTIVLLSGALALQTWAGSHSNRYFFTSVSPRGGRGPRFIAVGYVDDTQFRFDSD 63

Qy 121 GCDMMGPDRGLLRGYHOBAYDGRDYSISLNEDLRSWTAADTVAQITQFYEABYAEPRY 180

124 GCDVGSDWRPLRFGHQAQYDGSQDYLAKEDLRSWTAADMAQQTWKWEARHVAEQRAY 183

Qy 181 LEGCJCLBLRREYLQETLQDGTSTFKQRAVIVPSGEFRYTCVQHESCLPQLLRLNEQSPQ 300

184 LEGTCVFBWLRLYENQKETLQRTDAKPTMTHPAVSPEAETLTWQR 243

Qy 241 DGBEQPQDTLVEVTPAGDTFTKQRAVIVPSGEFRYTCVQHESCLPQLLRLNEQSPQ 300

Db 244 DGEDQDQDTLVEVTPAGDTFTKQRAVIVPSGEQRTCHVQHESCLPKPTLRLNEPSSQ 303

Qy 301 PTIPIVGIVAGLVLVAVVITGAVVAAVMWRKSSIDRNRSQSAAVTDASAGSGSLTAN 360

**RESULT 2**  
US-10-821-234-1565  
; Sequence 1565, Application US/10821234  
; Publication No. US20050255114A1  
; GENERAL INFORMATION:  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
; FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821.234  
; CURRENT FILING DATE: 2004-04-07  
; PRIOR APPLICATION NUMBER: US 60/462,047  
; PRIOR FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt\_seq\_genes Version 1.0  
; SEQ ID NO: 1565  
; LENGTH: 338  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-821-234-1565

Query Match 70.2%; Score 1350; DB 6; Length 358;  
Best Local Similarity 72.2%; Pred. No. 4e-91;  
Matches 255; Conservative 34; Mismatches 64; Indels 0; Gaps 0;

Qy 1 MAPRSLLLSSGALTDTWAGSHSLRKYFSTAVSRPGRGPRYIAVEYVDDTQFLRFDS 60  
Db 1 MVDGTLILLSSBAAALTQWAGSHSLRKYFHTSVSPGRGSPRFISVGYYVDDTQFLRFND 60

Qy 61 AAIPRMEPREPWEDEGPQTYWETWGYAKANAQTRVALNLRRYNOSEAGSHTLQGMN 120  
Db 61 AASPRMVPRAFWMEQGSEWDRERSARTAQIRFVNLTQTRGYNQSEAGSHTLQWMN 120

Qy 61 GCDMGPPGRLLRGYHOAYDGKDYISLNEEDLSRSTAATDVQITQRFYAEAEYABFRY 180  
Db 121 GCEGSDRFRFGRYBPFAYDQDRTLNEEDLSRSTAATDVQITQRFYAEAEYABFRY 180

Qy 181 LEGCBLRLRRLYLENLTLQRADPKAHYAHHPISDHEATLRCVALGYPAEITLTWQR 240  
Db 181 LRDTCVWLHKLXKYLEKCKETLHLBPKTHVTHHPISDHEATLRCVALGYPAEITLTWQ 240

Qy 241 DGEBOQDTVELVETPAGDGTQKTAVAVVPSGBQRTCHVQHGLPQPLLRLRQSPQ 300  
Db 241 DGEHMQDTVELVETPAGDGTQKTAVAVVPSGBQRTCHVQHGLPQPLLRLRQSPQ 300

Qy 301 PTIPIVGIVAGLWVLGAVTGAWAAMWRKSSDRNRSYSOAATVDSAGS 353  
Db 301 PTIPIVGIVAGLVLGSVVAWAVAVIWRKSSSGCGGGSYSAWNSDAGS 353

**RESULT 4**  
US-10-995-805-4  
; Sequence 4, Application US/10995805  
; Publication No. US20050287631A1  
; GENERAL INFORMATION:  
; APPLICANT: KROENKE, MARTIN  
; APPLICANT: ZAVARAVA, NICHOLAS  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS  
; FILE REFERENCE: IOWA 0541S  
; CURRENT FILING DATE: 2004-11-23  
; PRIOR APPLICATION NUMBER: 60/524,988  
; PRIOR FILING DATE: 2003-11-25  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 4  
; LENGTH: 530  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-10-995-805-4

Query Match 64.5%; Score 1239.5; DB 6; Length 530;  
Best Local Similarity 73.1%; Pred. No. 4e-91;  
Matches 231; Conservative 28; Mismatches 48; Indels 9; Gaps 1;

Qy 1 MAPRSLLLSSGALTDTWAGSHSLRKYFSTAVSRPGRGPRYIAVEYVDDTQFLRFDS 60  
Db 4 MPPRTILLSSGALTDTWAGSHSLRKYFHTSVSPGRGSPRFISVGYYVDDTQFLRFSD 63

Qy 61 AAIPRMEPREPWEDEGPQTYWETWGYAKANAQTRVALNLRRYNOSEAGSHTLQGMN 120  
Db 64 AASQRMSPRAMPWDEEPWDETRVKAHQSEDGSHTIQIMY 123

Qy 121 GCDNGPDRLLRGYHQAYDGDYISLNLRSWTAADTVQITQRFYEABYYAEEFTY 180  
 Db 124 GCDVGSDFLRGTRQDAGDGDYISLNLRSWTAADTVQITQRFYEABYYAEEFTY 183  
 Qy 181 LEGCCLLRLRLYENGLIETLQRADPKHVAHHPISDEHEATLRCWALGFPABITLWQ 240  
 Db 184 LEGCVDGLRLYENGLKETLQRDPPKTMTHPISDEHEATLRCWALGFPABITLWQ 243  
 Qy 241 DGEQOTDPELVELTRPAGGTQKWAAYAVVPSGSEQRFTCHVQHEGLQPLLRLWQS-- 298  
 Db 244 DGEQOTDPELVELTRPAGGTQKWAAYAVVPSGSEKRFTCHVQHEGLQPLLRLWQS-- 303  
 Qy 299 -----POPTIPV 307  
 Db 304 DKHTTCPDPAPAPL 319

## RESULT 5

US-10-995-805-2  
 ; Sequence 2, Application US/10995805  
 ; Publication No. US20050287631A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KROENKE, MARTIN  
 ; APPLICANT: ZAVAZAVA, NICHOLAS  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS  
 ; FILE REFERENCE: IOWA: 054US  
 ; CURRENT FILING DATE: 2004-11-23  
 ; PRIOR FILING DATE: 2003-11-25  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 2  
 ; LENGTH: 575  
 ; TYPE: PRT  
 ; ORGANISM: RAT  
 US-10-995-805-2

Query Match 58.6% Score 1126.5; DB 6; Length 575;  
 Best Local Similarity 63.0%; Pred. No. 4.4e-82;  
 Matches 216; Conservative 39; Mismatches 83; Indels 5; Gaps 1;

Db 1 MAPRLILLLSGALATDTWAGSHSLRYFSTAVSRPGRGEPRTIAVEYVDDTQFLRFPSD 60

Db 4 MAPRTLILLLAALAPTRASHSMRFDIAVSRPGGIGEPRTISVYDVITFVRFPSD 63

Qy 61 AAIIPRMBPREPNTYQEGPYQWMTGKAKANQTDRLVLRNLLRYYNOSEAGSHTLQGMN 120

Db 64 AENPRYERFAPMWEREGDWERETOKKGKNTQYRNLNRGYNQSEGSSHTIORMY 123

Qy 121 GCDNGPDRLLRGYHQAYDGDYISLNLRSWTAADTVQITQRFYEABYYAEEFTY 180

Db 124 GCDVGSDFLRGTRQDAGDGDYISLNLRSWTAADTVQITQRFYEABYYAEEFTY 183

Qy 181 LEGCCLLRLRLYENGLIETLQRADPKHVAHHPISDEHEATLRCWALGFPABITLWQ 240

Db 184 LEGCVDGLRLYENGLKETLQRDPPKTMTHPISDEHEATLRCWALGFPABITLWQ 243

Qy 241 DGEQOTDPELVELTRPAGGTQKWAAYAVVPSGSEQRFTCHVQHEGLQPLLRLWQS-- 296

Db 244 NGEDLTQMLVELTRPAGGTQKWAAYAVVPSGSEKRFTCHVQHEGLQPLLRLWQS-- 303

Qy 297 -GSPQPTIPV 308

Db 304 TDSNMETVIVVWLGAVVIAVIAVIAVAVAVVAVVRRRERENTFR 346

RESULT 6  
 US-11-072-512-3648  
 ; Sequence 3648, Application US/11072512  
 ; Publication No. US20060029945A1  
 ; GENERAL INFORMATION:

Qy 181 LEGCCLLRLRLYENGLIETLQRADPKHVAHHPISDEHEATLRCWALGFPABITLWQ 240  
 Db 184 LEGCVDGLRLYENGLKETLQRDPPKTMTHPISDEHEATLRCWALGFPABITLWQ 243  
 Qy 241 DGEQOTDPELVELTRPAGGTQKWAAYAVVPSGSEQRFTCHVQHEGLQPLLRLWQS-- 296  
 Db 244 NGEDLTQMLVELTRPAGGTQKWAAYAVVPSGSEKRFTCHVQHEGLQPLLRLWQS-- 303  
 Qy 297 -GSPQPTIPV 308  
 Db 304 TDSNMETVIVVWLGAVVIAVIAVIAVAVAVVAVVRRRERENTFR 346

; APPLICANT: ISOGAI, TAKAO  
 ; APPLICANT: SUGIYAMA, TOMOYASU  
 ; APPLICANT: OTSUKI, TETSUJI  
 ; APPLICANT: WAKAMATSU, AI  
 ; APPLICANT: SATO, HIROYUKI  
 ; APPLICANT: ISHII, SHIZUKO  
 ; APPLICANT: YAMAMOTO, JUN-ICHI  
 ; APPLICANT: ISONO, YUUKO  
 ; APPLICANT: HIO, YURI  
 ; APPLICANT: OTSUKA, KAORU  
 ; APPLICANT: NAGAHARI, KENJI  
 ; APPLICANT: MASUHO, YASUHIKO  
 ; TITLE OF INVENTION: Novel full length cDNA  
 ; CURRENT APPLICATION NUMBER: US/11/072-512  
 ; CURRENT FILING DATE: 2005-03-07  
 ; PRIOR APPLICATION NUMBER: US 60/350,978  
 ; PRIORITY FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: JP 2001-379298  
 ; PRIORITY FILING DATE: 2001-11-05  
 ; NUMBER OF SEQ ID NOS: 4096  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 3648  
 ; LENGTH: 284  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-11-072-512-3648

Query Match 51.2%; Score 985; DB 7; Length 284;  
 Best Local Similarity 81.2%; Pred. No. 3.5e-71;  
 Matches 182; Conservative 16; Mismatches 26; Indels 0; Gaps 0;

Qy 112 GSHTLQGQNGCDMGPDGRLLRQYHQHAYDGDYISLNLRSWTAADTVQITQRFYBAS 171  
 Db 61 GSHTLQRMIGCDLGSDFRLRQYHQHAYDGDYISLNLRSWTAADTVQITQRFYBAS 120

Qy 172 EYABEFPTYLEGBCLLRLYENGLIETLQRADPKHVAHHPISDEHEATLRCWALGFP 231  
 Db 121 NVAQRAYLETCVYLRLGEMLQRADPKHVTLPVFDTEATLRCWALGFP 180

Qy 232 ABITLWQDGEBOQDQDTELYETVTRPAGDTQKWAAYAVVPSGSEQRFTCHVQHEGLQPL 291  
 Db 181 ABITLWQDGEQDQDTELYETVTRPAGDTQKWAAYAVVPSGSEQRFTCHVQHEGLQPL 240

Qy 292 ILRWEQSPQPTIPV 284

Db 241 MURWKQSSLPTIPMGTIVAGLVLGAVVTVGAVVAVWRLKGSSD 284

RESULT 7  
 US-11-072-512-3304  
 ; Sequence 3304, Application US/11072512  
 ; Publication No. US20060029945A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ISOGAI, TAKAO  
 ; APPLICANT: SUGIYAMA, TOMOYASU  
 ; APPLICANT: OTSUKI, TETSUJI  
 ; APPLICANT: SATO, HIROYUKI  
 ; APPLICANT: ISHII, SHIZUKO  
 ; APPLICANT: YAMAMOTO, JUN-ICHI  
 ; APPLICANT: ISONO, YUUKO  
 ; APPLICANT: HIO, YURI  
 ; APPLICANT: OTSUKA, KAORU  
 ; APPLICANT: NAGAHARI, KENJI  
 ; APPLICANT: IRIE, RYOTARO  
 ; APPLICANT: TAMECHIKA, ICHIRO

APPLICANT: SEKI, NACHIKO  
 APPLICANT: YOSHIKAWA, TSUTOMU  
 APPLICANT: OTSUKA, MOTOKI  
 APPLICANT: NAGAHARI, KENJI  
 APPLICANT: MASUO, YASUHIKO  
 TITLE OF INVENTION: Novel full length cDNA  
 FILE REFERENCE: 0843-5-0191  
 CURRENT APPLICATION NUMBER: US/11/072, 512  
 CURRENT FILING DATE: 2005-03-07  
 PRIOR APPLICATION NUMBER: US 60/350, 978  
 PRIOR FILING DATE: 2002-01-25  
 PRIOR APPLICATION NUMBER: JP 2001-379298  
 PRIOR FILING DATE: 2001-11-05  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 3304  
 LENGTH: 150  
 TYPE: PPT  
 ORGANISM: Homo sapiens  
 US-11-072-512-3304

Query Match 32.5%; Score 625.5; DB 7; Length 150;  
 Best Local Similarity 80.1%; Pred. No. 6.7e-43;  
 Matches 121; Conservative 13; Mismatches 14; Indels 3; Gaps 1;  
 Qy 2112 HHPISDHEATLRCWALGFPAEITLTWORDGEETQDTVELVETPAGDGTQFKWAAYVYP 271  
 Db 3 HHSVSDYKATLRCWALGFPAEITLTWORDGEETQDTVELVETPAGDGTQFKWAAYVYP 62  
 Qy 272 SGEERTYCTIVQHELPQLLIRWQSOPTIPIVGIVAGLVVLAATVGAIVAVMFK 331  
 Db 63 SGEERQYRMCHVQHESLPQLTLMRKQSSOPTIPIVGIVAGLVVLAATVGAIVAVMCK 122  
 Qy 3332 KSSDRNRGSYSQAAVTDSSAGCGSGLTANKV 362  
 Db 123 NS--DRVTSYSEAASSNHAQSDVSLTAKV 150

Query Match 27.0%; Score 519.5; DB 6; Length 148;  
 Best Local Similarity 35.4%; Pred. No. 5e-34;  
 Matches 120; Conservative 58; Mismatches 151; Indels 17; Gaps 10;  
 Qy 1 MAPRS---ILLIUSGALALITDTWAGSHSURYFSTAVSRPGRGEPRTYIAVEYYDQTQLR 56  
 Db 1 MGPRARPALLMLIQTATLQGRLLRSHSLHYLMGASEQDLGLSLFEALGYVDDQLFV 60  
 Qy 57 FDSDAIPMMPREPWVEQ-GPOWYENTTGYAKANAQTDRAVLNLRLRNYQSEAGSHT 115  
 Db 61 YDHESR--RVEPRIPWVSSRISSQMLQSQSLKQGDHMEFTVDFWTIMNNHHSKE-SHT 117  
 Qy 116 LQHNGGCDMGPDRGRLLRGTHQHAYTDQDYTISLNEDLRSWTAADTVQITQFYEAEY-A 174  
 Db 118 LQVIGCBOBNS-TEGWKYGYDQDHLBFCPTLDVRAEPPAWPTKLEWEHKIR 176  
 Qy 175 EEFRTYLEGECLLRLRYLENGLETIQRADPPIKAHVAHPISDHEATLRCWALGFPAE 234  
 Db 177 RQNRYAYLERCPAQQQLELGRGVLDQQVPPLYKVTTH-VTSSVTTLRCRALTNTYQPN 235  
 Qy 235 TLTRWDRGEBQTQDTVELVTR--PAGDGTQFKWAAYVYPGEORVTCHQHEGLPQPL 291  
 Db 236 TMWIKD--KOPMDAKEFEPKDVLNGDGTQGMITLAVPGECRTYTCQEVHPLDQPL 293  
 Qy 292 TLTRWESOPTIPIVGIVAGLVVLAATVGAIVAVMFKSSDRNRGSY 341  
 Db 294 IVIWWPSPSCTL-VGVISSIAVFWVILIGILFILRKQGSRGMGHY 342

RESULT 9  
 US-11-252-452-2  
 ; Sequence 2, Application US/11252452  
 ; Publication No. US20060051806A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rothenberg et al.  
 ; TITLE OF INVENTION: Mutations associated with iron disorders  
 ; FILE REFERENCE: 2406-004 CON2  
 ; CURRENT APPLICATION NUMBER: US/11/252, 452  
 ; CURRENT FILING DATE: 2005-10-18  
 ; PRIORITY APPLICATION NUMBER: 09/381, 606  
 ; PRIOR FILING DATE: 2001-10-16  
 ; PRIORITY APPLICATION NUMBER: 09/277, 457  
 ; PRIORITY FILING DATE: 1999-03-26  
 ; NUMBER OF SEQ ID NOS: 30  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO: 2  
 ; LENGTH: 348  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-252-452-2

Query Match 27.0%; Score 519.5; DB 7; Length 348;  
 Best Local Similarity 35.4%; Pred. No. 5e-34;  
 Matches 124; Conservative 58; Mismatches 151; Indels 18; Gaps 10;  
 Qy 1 MAPRS---ILLIUSGALALITDTWAGSHSURYFSTAVSRPGRGEPRTYIAVEYYDQTQLR 56  
 Db 1 MGPRARPALLMLIQTATLQGRLLRSHSLHYLMGASEQDLGLSLFEALGYVDDQLFV 60  
 Qy 57 FDSDAIPMMPREPWVEQ-GPOWYENTTGYAKANAQTDRAVLNLRLRNYQSEAGSHT 115  
 Db 61 YDHESR--RVEPRIPWVSSRISSQMLQSQSLKQGDHMEFTVDFWTIMNNHHSKE-SHT 117  
 Qy 116 LQHNGGCDMGPDRGRLLRGTHQHAYTDQDYTISLNEDLRSWTAADTVQITQFYEAEY-A 174  
 Db 118 LQVIGCBOBNS-TEGWKYGYDQDHLBFCPTLDVRAEPPAWPTKLEWEHKIR 176  
 Qy 175 EEFRTYLEGECLLRLRYLENGLETIQRADPPIKAHVAHPISDHEATLRCWALGFPAE 234  
 Db 177 RQNRYAYLERCPAQQQLELGRGVLDQQVPPLYKVTTH-VTSSVTTLRCRALTNTYQPN 235  
 Qy 235 TLTRWDRGEBQTQDTVELVTR--PAGDGTQFKWAAYVYPGEORVTCHQHEGLPQPL 291  
 Db 236 TMWIKD--KOPMDAKEFEPKDVLNGDGTQGMITLAVPGECRTYTCQEVHPLDQPL 293  
 Qy 292 TLTRWESOPTIPIVGIVAGLVVLAATVGAIVAVMFKSSDRNRGSY 341  
 Db 294 IVIWWPSPSCTL-VGVISSIAVFWVILIGILFILRKQGSRGMGHY 342

RESULT 10  
 US-10-995-561-652  
 ; Sequence 652, Application US/10995561  
 ; Publication No. US2005027054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; TITLE OF INVENTION: DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CLO10559  
 ; CURRENT APPLICATION NUMBER: US/10/995, 561  
 ; CURRENT FILING DATE: 2004-11-24  
 ; SEQ ID NO: 85/702  
 ; SOFTWARE: FastS2Q for Windows Version 4.0  
 ; SEQ ID NO: 649  
 ; LENGTH: 348  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-995-561-649

Query Match 27.0%; Score 519.5; DB 6; Length 148;  
 Best Local Similarity 35.4%; Pred. No. 5e-34;  
 Matches 120; Conservative 58; Mismatches 151; Indels 17; Gaps 10;  
 Qy 1 MAPRS---ILLIUSGALALITDTWAGSHSURYFSTAVSRPGRGEPRTYIAVEYYDQTQLR 56  
 Db 1 MGPRARPALLMLIQTATLQGRLLRSHSLHYLMGASEQDLGLSLFEALGYVDDQLFV 60  
 Qy 57 FDSDAIPMMPREPWVEQ-GPOWYENTTGYAKANAQTDRAVLNLRLRNYQSEAGSHT 115  
 Db 61 YDHESR--RVEPRIPWVSSRISSQMLQSQSLKQGDHMEFTVDFWTIMNNHHSKE-SHT 117  
 Qy 116 LQHNGGCDMGPDRGRLLRGTHQHAYTDQDYTISLNEDLRSWTAADTVQITQFYEAEY-A 174  
 Db 118 LQVIGCBOBNS-TEGWKYGYDQDHLBFCPTLDVRAEPPAWPTKLEWEHKIR 176

TITLE OF INVENTION: DETECTION AND USES THEREOF  
 FILE REFERENCE: CLO01559  
 CURRENT APPLICATION NUMBER: US/10/995,561  
 CURRENT FILING DATE: 2004-11-24  
 NUMBER OF SEQ ID NOS: 85702  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 652  
 LENGTH: 325  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-995-561-652

Query Match 25.2%; Score 485; DB 6; Length 325;

Best Local Similarity 34.1%; Pred. No. 2.6e-31;  
 Matches 119; Conservative 59; Mismatches 133; Indels 38; Gaps 12;

Qy 1 MAPR--SILLISGALLTDWAGSHSLRYPSTAVSPGRGEPRTYIAVEYDDTQFLR 57  
 Db 1 MGRPRPARPLLM-----LIGTAVL-----QGRJLFLGYDDOLFVFFY 38  
 Qy 58 DSDAAIPMPMEPRPWYDB-GPQYWETWTGAYAKANAQTDRAVLNLRLRYNSEAGSHTL 116  
 Db 39 DHESR--RVEPRPRPWYSSRISQWMLQOSLKGWDIMFTDFTWIMNHNSKE-SHTL 95  
 Qy 117 QHNGCDNGDGPGRLLRQHAYDGKDYISLNEQDLRSTWAAQTQRTYBAEFT-AE 175  
 Db 96 QVILGCENQEDNS-TEGYWKYGDQDILEFCPDTLDRRAEPRAWPTKLYEWBRHKR 154  
 Qy 176 EPTYLGECCLLRLRYLENGLETLQRADPPKAHVAHPISDHEATLRCWALGYPDAEFT 235  
 Db 155 QNRAYLBDCPAQQLBLGRVLDQVPLVTHH-VTSSVTTLRCRALNYPONT 213  
 Qy 236 LTWORDGEQTDTELVTR--PAGCTQKMAAVVPSGEQRTCHVQHEGLPPLI 292  
 Db 214 MKWLKD--KOPMDAKEPEKDVLPNGDCTYQSWITLAVPPGSEQRITCQVHPGLDQPLI 271  
 Qy 293 LRWBQSPPTIPGIVGLVWVQAVVGTAVVAMWRKSSDRNRSY 341  
 Db 272 VVWEPSSGTL-VIGVSGIAVWVILEGIFLILRKQSGRGMHY 319

RESULT 11  
 US-10-995-561-658

Sequence 658, Application US/10995561  
 Publication No. US2005027205A1  
 GENERAL INFORMATION: CARGILL, Michele et al.  
 APPLICANT: CARGILL, Michele et al.  
 TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 DETECTION AND USES THEREOF  
 FILE REFERENCE: CLO01559  
 CURRENT APPLICATION NUMBER: US/10/995,561  
 CURRENT FILING DATE: 2004-11-24  
 NUMBER OF SEQ ID NOS: 85702  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 658  
 LENGTH: 334  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-995-561-658

Query Match 25.1%; Score 482.5; DB 6; Length 334;

Best Local Similarity 34.0%; Pred. No. 4.2e-31;  
 Matches 119; Conservative 56; Mismatches 144; Indels 31; Gaps 10;

Qy 1 MAPRS---LILLISGALLTDWAGSHSLRYPSTAVSPGRGEPRTYIAVEYDDTQFLR 56  
 Db 1 MGRPRPARPLLMQTAVLQGRLLRSHSLRFLMGAESQDGLSLFVQDQFLV 60  
 Qy 57 FDSDAAIPMPMEPRPWYDB-GPQYWETWTGAYAKANAQTDRAVLNLRLRYNSEAGSHTL 115  
 Db 61 YDHESR--RVEPRTPWYSSRISQWMLQOSLKGWDIMFTDFTWIMNHNSKE-SHT 117

RESULT 13  
 US-11-072-512-1978  
 ; Sequence 1978, Application US/11072512

Qy 116 LQMGANGCDMGPDGRLLRQHAYDGKDYISLNEQDLRSTWAAQTQRTYBAEFT-A 174

Db 118 LQVILGCENQEDNS-TREYWKQYGDQDHLECPDTLDRRAEPRAWPTKLYEWBRHKR 176

Qy 175 EPTYLGECCLLRLRYLENGLETLQRADPPKAHVAHPISDHEATLRCWALGYPDAEFT 234

Db 177 RQNTRAYLERDCPAQQLBLGRVLDQ-----QVTLRLCRALNYPONT 221

Qy 235 LTWORDGEQTDTELVTR--PAGCTQKMAAVVPSGEQRTCHVQHEGLPPLI 291

Db 222 TMKWLKD--KOPMDAKEPEKDVLPNGDCTYQSWITLAVPPGSEQRITCQVHPGLDQPLI 279

Qy 292 LRWBQSPPTIPGIVGLVWVQAVVGTAVVAMWRKSSDRNRSY 341

Db 280 VVWEPSSGTL-VIGVSGIAVWVILEGIFLILRKQSGRGMHY 326

RESULT 12

US-11-177-506-52

; Sequence 52, Application US/11177506  
 ; Publication No. US2006029956A1  
 GENERAL INFORMATION:  
 APPLICANT: Beyer, Wayne F.  
 APPLICANT: Venetta, Thomas M.  
 APPLICANT: Groelke, John W.  
 APPLICANT: Blaeusius, Rainer H.  
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE  
 DETECTION OF OVARIAN DISEASE  
 FILE REFERENCE: 46143/294851

CURRENT APPLICATION NUMBER: US/11/177,506

CURRENT FILING DATE: 2005-07-08

PRIOR APPLICATION NUMBER: 60/586,856

PRIOR FILING DATE: 2004-07-09

NUMBER OF SEQ ID NOS: 52

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NO: 52

LENGTH: 295

TYPE: PRT

ORGANISM: Homo sapiens

US-11-177-506-52

Query Match 25.1%; Score 481.5; DB 7; Length 295;

Best Local Similarity 36.5%; Pred. No. 4.3e-11;  
 Matches 110; Conservative 49; Mismatches 133; Indels 9; Gaps 7;

Qy 1 MAPRSLILLISGALLTDWAGSHSLRYPSTAVSPGRGEPRTYIAVEYDDTQFLR 59

Db 1 MPPVPLSLLLLGPQBNEDGGRSLTYTGLSHVDPQAGSLSNDLQPPRNS 60

Qy 60 DAAIPMPMEPRPWYEQGPQYMETWGTGAKANAQTDRAVLNLRLRYNSEAGSHTLQGM 119

Db 61 KDR--KSQPMGLWROVYEGMDWQDQLQKAREDFTMELKDIVETYNDSN-GSHVLRQ 117

Qy 120 NGCDMGPDGRLLRQHAYDGKDYISLNEQDLRSTWAAQTQRTYBAEFT-YAEFR 178

Db 118 FGCEII-ENNRSSGAFWVYDQKDVIEFENKEIPAVNPYFPDPAQITQKWEALEPVYQRAK 176

Qy 179 TYLEGECCLLRLRYLENGLETLQRADPPKAHVAHPISDHEATLRCWALGYPDAEFT 238

Db 177 AYLBECPATRKYLYKSYSKNLDQDPSVVTTSHPAGEKKLCLAYDYPGKIDVH 236

Qy 239 QRDGERQTDTEL-VETRPAQDGTFQKWAAYVPSGEQRTCHVQHEGLPPLI 297

Db 237 TRAGE--VQEPDPLRQDYLHNGTQISWWVAVPPDQDAPYSCHVQHSSLAQPLVVPWEA 294

Qy 298 S 298

Db 295 S 295

Publication No. US20060029945A1  
 GENERAL INFORMATION:  
 APPLICANT: ISOGAI, TAKAO  
 APPLICANT: SUGIYAMA, TOMOYASU  
 APPLICANT: OTSUKI, TETSUJI  
 APPLICANT: WAKAMATSU, AI  
 APPLICANT: SATO, HIROYUKI  
 APPLICANT: ISHII, SHIZUKO  
 APPLICANT: YAMAMOTO, JUN-ICHI  
 APPLICANT: ISONO, YUTRO  
 APPLICANT: HIO, YURI  
 APPLICANT: OTSUKA, KAORU  
 APPLICANT: NAGATA, KEIICHI  
 APPLICANT: IRIE, RYOTARO  
 APPLICANT: TAMECHIKI, ICHIRO  
 APPLICANT: SEKI, NAOHIKO  
 APPLICANT: YOSHIKAWA, TSUTOMU  
 APPLICANT: OTSUKA, MOTOKI  
 APPLICANT: NAGAHARI, KENJI  
 APPLICANT: MASHIO, YASUHIKO  
 TITLE OF INVENTION: Novel full length cDNA  
 FILE REFERENCE: 084335-0191  
 CURRENT APPLICATION NUMBER: US/11/072,512  
 CURRENT PILING DATE: 2005-03-07  
 PRIOR APPLICATION NUMBER: US 60/350,978  
 PRIOR FILING DATE: 2002-01-25  
 PRIOR APPLICATION NUMBER: JP 2001-379298  
 PRIOR FILING DATE: 2001-11-05  
 NUMBER OF SEQ ID NOS: 4096  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 1978  
 LENGTH: 209  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-11-072-512-1978

Query Match 24.5%; Score 40.5%; DB 7; Length 209;  
 Best Local Similarity 46.6%; Pred. No. 2.2e-30;  
 Matches 108; Conservative 17; Mismatches 54; Indels 53; Gaps 6;  
 Qy 73 VEQEGPOWTTGAYAKANAOQTDRVALNLLRYYNQSEAGSHTLOGMNGCDMGPDRRLR 132  
 Db 1 MEREGPFWDRNTQICKAQUARTERENLRIARYNQSEGSHTQWYGDVGPDRFLC 60  
 Qy 133 GHQHAYDGDYISNEDLRSWTAADTVAQITQYEAEEPFRTYLEGCEBLRLRY 192  
 Db 61 GYEQHAYDGDYIAALNEDLRSWTAADMAQITKRMEARAEQRVYLEGEFVWLRY 120  
 Qy 193 LENGTHLQRADPPKVAHHPISDEHEATLRCWALGFYBABLTLWORDGEQQTDLV 252  
 Db 121 LENGEKLQRAGTR----GHARPPGWPVDRGWP---- 150  
 Qy 253 BTRPAGDGTFORWAAYVPSGEQRTYCHYQHEGLQPQLTIRWEQSPQPTIP 304  
 Db 151 ---PTRKG--DKWD----OHYNIALPVLR-EKNP-PGFP 179  
 RESULT 14 US-10-995-561-651  
 : Sequence 651. Application US/10995561  
 : Publication No. US20050272054A1  
 : GENERAL INFORMATION:  
 : APPLICANT: CARGILL, Michele et al.  
 : TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 : CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 : DETECTION AND USES THEREOF  
 : FILE REFERENCE: CL001559  
 : CURRENT APPLICATION NUMBER: US/10/995,561  
 : CURRENT FILING DATE: 2004-11-24  
 : NUMBER OF SEQ ID NOS: 85702  
 : SOFTWARE: FastSEQ for Windows Version 4.0  
 : SEQ ID NO: 657  
 : LENGTH: 246  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 : US-10-995-561-651

Query Match 21.8%; Score 418.5%; DB 6; Length 260;  
 Best Local Similarity 38.2%; Pred. No. 3.9e-26;  
 Matches 89; Conservative 44; Mismatches 91; Indels 9; Gaps 6;  
 Qy 113 SHTLQGANGCDMGPDRRLYQHAYDGDYISNEDLRSWTAADTVAQITQYEAEE 172  
 Db 27 SHTLQVILGCEMQEDNS-TECYWKYGDQGDHLEFCPTDLDWRAEPRANTPLKMERHK 85  
 Qy 173 Y-AEFRTRYLEGCEBLRLYQLEGLTQDADPRAKVAHHPISDEHEATLRCWALGFYP 231  
 Db 86 IRARQNRYAYLERDCPAQQLQELGRGVLDQVPLVKOTH-VTSSVTLRCRALNYP 144  
 Qy 232 AEITLTWORDGEETQDTLVELR---PAGDGTFRQWAAVYVPSGEQRTYCHYQHEGLGP 288  
 Db 145 QNITKMKLKD-KOPMDAKEFEPKDVLPNGDGTYQWITLAVPGEQRTCQVBPGLD 202  
 Qy 289 QPLIURWEQSPQPTIPVIGVIVAGLVLGAVVGTGAVVAAVMRKSSDRNRGSY 341  
 Db 203 QPLIVIWEPSPSGTI-VIGVSGIAVFWVFLFIGLFLTILRKROSGRGANGHY 254  
 RESULT 15 US-10-995-561-657  
 : Sequence 657. Application US/10995561  
 : Publication No. US20050272054A1  
 : GENERAL INFORMATION:  
 : APPLICANT: CARGILL, Michele et al.  
 : TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
 : CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 : DETECTION AND USES THEREOF  
 : FILE REFERENCE: CL001559  
 : CURRENT APPLICATION NUMBER: US/10/995,561  
 : CURRENT FILING DATE: 2004-11-24  
 : NUMBER OF SEQ ID NOS: 85702  
 : SOFTWARE: FastSEQ for Windows Version 4.0  
 : SEQ ID NO: 657  
 : LENGTH: 246  
 : TYPE: PRT  
 : ORGANISM: Homo sapiens  
 : US-10-995-561-657

Query Match 19.8%; Score 381.5%; DB 6; Length 246;  
 Best Local Similarity 36.1%; Pred. No. 3.2e-23;  
 Matches 84; Conservative 42; Mismatches 84; Indels 23; Gaps 6;  
 Qy 113 SHTLQGANGCDMGPDRRLYQHAYDGDYISNEDLRSWTAADTVAQITQYEAEE 172  
 Db 27 SHTLQVILGCEMQEDNS-TECYWKYGDQGDHLEFCPTDLDWRAEPRANTPLKMERHK 85  
 Qy 173 Y-AEFRTRYLEGCEBLRLYQLEGLTQDADPRAKVAHHPISDEHEATLRCWALGFYP 231  
 Db 86 IRARQNRYAYLERDCPAQQLQELGRGVLDQVPLVKOTH-VTSSVTLRCRALNYP 130  
 Qy 232 AEITLTWORDGEETQDTLVELR---PAGDGTFRQWAAVYVPSGEQRTYCHYQHEGLGP 288  
 Db 131 QNITKMKLKD-KOPMDAKEFEPKDVLPNGDGTYQWITLAVPGEQRTCQVBPGLD 168  
 Qy 289 QPLIURWEQSPQPTIPVIGVIVAGLVLGAVVGTGAVVAAVMRKSSDRNRGSY 341  
 Db 189 QPLIVIWEPSPSGTI-VIGVSGIAVFWVFLFIGLFLTILRKROSGRGANGHY 240  
 Search completed: April 7, 2006, 13:06:43  
 Job time : 16.5899 secs

Result No.	Score	Query	Match	Length	DB	ID	Description
1	1491	99.7	362	2	US-09-949-016-8242	Sequence 8242, Ap	Sequence 8242, Ap
2	1248	83.4	274	1	US-08-222-851-1	Sequence 1, App1	Sequence 1, App1
3	1184	79.1	338	2	US-09-949-016-6176	Sequence 6176, Ap	Sequence 6176, Ap
4	1184	79.1	339	2	US-09-949-016-8636	Sequence 8636, Ap	Sequence 8636, Ap
5	1154	77.1	365	1	US-08-484-905-100	Sequence 100, App	Sequence 100, App
6	1154	77.1	365	2	US-08-484-905-100	Sequence 100, App	Sequence 100, App
7	1154	77.1	365	2	US-08-552-23	Sequence 23, App1	Sequence 23, App1
8	1154	77.1	365	2	US-08-934-497A-23	Sequence 23, App1	Sequence 23, App1
9	1154	77.1	365	2	US-08-310-416-100	Sequence 100, App	Sequence 100, App
10	1154	77.1	365	2	US-09-03-444A-23	Sequence 23, App1	Sequence 23, App1
11	1153	77.1	341	2	US-08-890-719-38	Sequence 38, App1	Sequence 38, App1
12	1151	76.9	365	1	US-08-484-905-100	Sequence 99, App1	Sequence 99, App1
13	1151	76.9	365	1	US-08-484-905-104	Sequence 104, App1	Sequence 104, App1
14	1151	76.9	365	2	US-08-481-985B-99	Sequence 99, App1	Sequence 99, App1
15	1151	76.9	365	2	US-08-481-985B-104	Sequence 104, App1	Sequence 104, App1
16	1151	76.9	365	2	US-08-370-416-99	Sequence 99, App1	Sequence 99, App1
17	1151	76.9	365	2	US-08-170-416-104	Sequence 104, App1	Sequence 104, App1
18	1150	76.9	274	1	US-08-484-905-107	Sequence 107, App1	Sequence 107, App1
19	1150	76.9	274	1	US-08-484-905-108	Sequence 108, App1	Sequence 108, App1
20	1150	76.9	274	2	US-08-481-985B-107	Sequence 107, App1	Sequence 107, App1
21	1150	76.9	274	2	US-08-481-985B-108	Sequence 108, App1	Sequence 108, App1
22	1150	76.9	274	2	US-08-370-416-107	Sequence 107, App1	Sequence 107, App1
23	1150	76.9	274	2	US-08-170-416-108	Sequence 108, App1	Sequence 108, App1
24	1147	76.7	365	1	US-08-484-905-97	Sequence 97, App1	Sequence 97, App1
25	1147	76.7	365	1	US-08-484-905-98	Sequence 98, App1	Sequence 98, App1
26	1147	76.7	365	2	US-08-481-985B-97	Sequence 97, App1	Sequence 97, App1
27	1147	76.7	365	2	US-08-481-985B-98	Sequence 98, App1	Sequence 98, App1

## ALIGNMENTS

RESULT 1  
US-09-949-016-8242  
; Sequence 8242, Application US/09949016  
; Patent No. 6812339

GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FASTSBQ for Windows Version 4.0  
SEQ ID NO 8242  
LENGTH: 362  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-8242

Query Match 99.7%; Score 1491; DB 2; Length 362;  
Best Local Similarity 99.6%; Pred. No. 1.9e-137;  
Matches 273; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSDAAIPMPEPREPVEQSGPYW 60  
Db 22 GSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSDAAIPMPEPREPVEQSGPYW 81

QY 61 EWTGTYAKANQTDVALRNLRRNQSEAGSHTIQLGMNGCDMGPGRLRLGTHQHAYDG 120  
Db 82 EWTGTYAKANQTDVALRNLRRNQSEAGSHTIQLGMNGCDMGPGRLRLGTHQHAYDG 141

QY 121 KDYISLINEDRSWTAADTVQITQFYEABFRTYLEGBCLELLREYLENGKETLQ 180  
Db 142 KDYISLINEDRSWTAADTVQITQFYEABFRTYLEGBCLELLREYLENGKETLQ 201

QY 181 RADPKRAVHHP1SDHEATLRCWALGFPABITLWWORDGEETQDTTELVETPAGDT 240  
Db 202 RADPKRAVHHP1SDHEATLRCWALGFPABITLWWORDGEETQDTTELVETPAGDT 261

QY 241 FQKWAIVVPSGGERYRTCHVQHEQLPQLLRW 274  
Db 262 FQKWAIVVPSGGERYRTCHVQHEQLPQLLRW 295

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/pctdata/1/iaa/5\_COMB pep:\*

2: /cgn2\_6/pctdata/1/iaa/6\_COMB pep:\*

3: /cgn2\_6/pctdata/1/iaa/H\_COMB pep:\*

4: /cgn2\_6/pctdata/1/iaa/PCTRS\_COMB pep:\*

5: /cgn2\_6/pctdata/1/iaa/RE\_COMB pep:\*

6: /cgn2\_6/pctdata/1/iaa/bachfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

RESULT 2  
 US-08-222-851-1  
 Sequence 1, Application US/08222851  
 Patent No. 5723128  
 GENERAL INFORMATION:  
 APPLICANT: CLAYBERGER, CAROL A.  
 APPLICANT: KRENSKY, ALAN M.  
 APPLICANT: PARHAM, PETER  
 TITLE OF INVENTION: CYTOTOXIC T-CELL LYMPHOCYTE ("CTL")  
 TITLE OF INVENTION: CYTOTOXIC T-CELL LYMPHOCYTE ("CTL")  
 NUMBER OF SEQUENCES: 43  
 NUMBER OF SEQUENCES: 43  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEES: MORRISON & FOERSTER  
 STREET: 2000 PENNSYLVANIA AVENUE, NW, STE 5500  
 CITY: WASHINGTON  
 STATE: DC  
 ZIP: 20006-1912  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/222,851  
 FILING DATE: 05-APR-1994  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MILLMAN, ROBERT A.  
 REGISTRATION NUMBER: 36,217  
 REFERENCE/DOCKET NUMBER: 28600-20200.22  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 887-1500  
 TELEFAX: (202) 494-0732  
 TELEX: 90-4030 MRSNFORSWSH  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 274 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: Single  
 TOPOLOGY: linear  
 US-08-222-851-1

Query Match 83.4%; Score 1248; DB 1; Length 274;  
 Best Local Similarity 82.8%; Pred. No. 7 5e-114; Indels 0; Gaps 0;  
 Matches 227; Conservative 17; Mismatches 30; Indels 0; Gaps 0;  
 RESULT 4  
 US-09-949-016-8636  
 Sequence 8636, Application US/09949016  
 Patent No. 6812339  
 GENERAL INFORMATION:  
 APPLICANT: VENTIER, J. Craig et al.  
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CL001307  
 CURRENT APPLICATION NUMBER: US/09/949,016  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 6176  
 LENGTH: 338  
 TYPE: PRT  
 ORGANISM: Human  
 US-09-949-016-6176

Query Match 79.1%; Score 1184; DB 2; Length 339;  
 Best Local Similarity 78.8%; Pred. No. 1.8e-107; Indels 0; Gaps 0;  
 Matches 216; Conservative 22; Mismatches 36; Indels 0; Gaps 0;

Query 1 GSHSLRYFSTAVSRPGRGEPYIAVYDDTQFLRFDSDAIPRMEPREPVEQESPOYW 60  
 Db 25 GSHSLRYFSAVSRPGRGEPYIAVYDDTQFLRFDSDAIPRMEPREPVEQESPOYW 84  
 Qy 61 EWTTCYAKANQDTDVALNLLRNYNOSEAGSHTLQMGNGCDMGPDGLRLRGYHQAyDG 120  
 Db 85 EBETNTKAHQTDAMNLQTLRGYNNOSEASHTLQWMIGDLGSQDGLRLRGYQAYDG 144  
 Qy 121 KDYISLINEDELSWTAADTVQITQFYEAEAEFRTYLGECUFLRLRLYENSKETLQ 180  
 Db 145 KDYI ALNEDLSWTAADTVQITQFYEAEAEFRTYLGECUFLRLRLYENSKETLQ 204  
 Qy 181 RADPKAHVAKHHPISDHEATLRCWALGFYPAEITLTWQGEEQTDTELVETRPGDT 240  
 Db 205 RADPKTHVTHHPVDTYEAATLRCWALGFYPAEITLTWQGEEQTDTELVETRPGDT 264  
 Qy 241 FQKWAAYVVPSGEERQYTCVQHEGLPQLPLRW 274  
 Db 265 FQKWAAYVVPSGEERQYTCVQHEGLPQLPLRW 298

RESULT 3  
 US-09-949-016-6176  
 Sequence 6176, Application US/09949016  
 Patent No. 6812339  
 GENERAL INFORMATION:

Qy 1 GSHSLRYFSTAVSRPGCPRYIAVEYDDTOFLRFDSDAAPRMEPREPWYEQGPQYW 60  
 Db 26 GSHSMRYTSAASVSRPGCPRYIAVEYDDTOFLRFDSDAACPRMERAPNVEQGPQYW 85  
 Qy 61 EWTGTYAKANAQTDVALRNLLRRLYNSSEAGSHTLQCMINGCDPDSRLRGGHQAQYDG 120  
 Db 86 BEBTRKTAHAQTDRMNITQTLRGYTNQSRAASHTLQWMMIGCDLSGCRLLRGYEQYDG 145  
 Qy 121 KDTISLNDLRSWTAADTVQITQRYTAEEAABPFTYLRGCLBLRLYRLENGKTLQ 180  
 Db 146 KDTIALLNEDLRSWTAADTVQITQRYTAEEAABPFTYLRGCLBLRLYRLENGKTLQ 205  
 Qy 181 RADPPKRAVVAHHPISDHBATLRCWALGFPYPAITLTWQDGEQTQDTELVETPAGDGT 240  
 Db 206 RADPPKTHVTHIPVFDYTAUTLRCWALGFPYPAITLTWQDGEQTQDTELVETPAGDGT 265  
 Qy 241 FQKWAAYVVPSSGBEQRYTCVQHEGLPQLLWR 274  
 Db 266 FQKWAAYVVPSSGBEQRYTCVQHEGLPQLLWR 299

RESULT 5  
US-09-484-905-100

Sequence 100, Application US/08484905  
 / GENERAL INFORMATION:  
 / APPLICANT: Mottez, Estelle  
 / APPLICANT: Abastado, Jean-Pierre  
 / APPLICANT: Kourilsky, Philippe  
 / TITLE OF INVENTION: An Altered Major Histocompatibility Complex  
 / TITLE OF INVENTION: Complex(MHC) Determinant and Methods for Using the  
 / TITLE OF INVENTION: Determinant  
 / NUMBER OF SEQUENCES: 127  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
 / STREET: 1300 I Street, N.W., Suite 700  
 / CITY: Washington  
 / STATE: D.C.  
 / ZIP: 20005-3315  
 / COMPUTER READABLE FORM:  
 / MEDIUM TYPE: Floppy Disk  
 / COMPUTER: IBM PC compatible  
 / OPERATING SYSTEM: PC-DOS-/MS-DOS  
 / SOFTWARE: Patent In Release #1.0, Version #1.25  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/08/484,905  
 / FILING DATE: 07-JUN-1995  
 / CLASSIFICATION: 530  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: US 07/801,818  
 / FILING DATE: 05-DEC-1991  
 / CLASSIFICATION: 530  
 / ATTORNEY/AGENT INFORMATION:  
 / NAME: Potter, Jane E. R.  
 / REGISTRATION NUMBER: 33,332  
 / REFERENCE/DOCKET NUMBER: 03495.0106-03000  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: 201-408-4000  
 / TELEFAX: 201-408-4400  
 / INFORMATION FOR SEQ ID NO: 100:  
 / SEQUENCE CHARACTERISTICS:  
 / LENGTH: 365 amino acids  
 / TYPE: amino acid  
 / TOPOLOGY: linear  
 / MOLECULE TYPE: Peptide  
 / US-09-484-905-100

RESULT 6  
US-09-481-985B-100

Sequence 100, Application US/08481985B  
 / Patent No. 601116  
 / GENERAL INFORMATION:  
 / APPLICANT: Mottez, Estelle  
 / APPLICANT: Abastado, Jean-Pierre  
 / APPLICANT: Kourilsky, Philippe  
 / TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 / NUMBER OF SEQUENCES: 148  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
 / ADDRESSEE: Dunner  
 / STREET: 1300 I Street, N.W., Suite 700  
 / CITY: Washington  
 / STATE: D.C.  
 / ZIP: 20005-3315  
 / COMPUTER READABLE FORM:  
 / MEDIUM TYPE: Floppy disk  
 / COMPUTER: IBM PC compatible  
 / OPERATING SYSTEM: PC-DOS/MS-DOS  
 / SOFTWARE: Patent In Release #1.0, Version #1.25  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/08/481,985B  
 / FILING DATE: 07-JUN-1995  
 / CLASSIFICATION: 435  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: US 07/792,473  
 / FILING DATE: 15-NOV-1991  
 / CLASSIFICATION: 435  
 / ATTORNEY/AGENT INFORMATION:  
 / NAME: Meyers, Kenneth J.  
 / REGISTRATION NUMBER: 25,146  
 / REFERENCE/DOCKET NUMBER: 03495.0106-04000  
 / TELECOMMUNICATION INFORMATION:  
 / TELEPHONE: 202-408-4000  
 / TELEFAX: 202-408-4400  
 / INFORMATION FOR SEQ ID NO: 100:  
 / SEQUENCE CHARACTERISTICS:  
 / LENGTH: 365 amino acids  
 / TYPE: amino acid  
 / TOPOLOGY: linear  
 / MOLECULE TYPE: peptide

US-08-481-985B-100

Query Match 77.1%; Score 1154; DB 2; Length 365;  
Best Local Similarity 76.6%; Pred. No. 1.7e-104;  
Matches 210; Conservative 22; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDQFLRFDSDAIIPRMPBPRPVMVBQGPQYW 60  
Db 25 GSHSRPYFPTSVSPGRGEPYIAVEYVDDQFLRFDSDAIIPRMPBPRPVMVBQGPQYW 84

Qy 61 EWTGTYAKANQTDRTVALRNLRLRYNOSEAGSHTLQGMNGCDMGPGRLLRGTHOAYDG 120  
Db 85 DGETRKVKAHSQTHRVLDSLSTURGYNQSEAGSHTVORMFGDVGSDGRFRLRGTHOAYDG 144

Qy 121 KDVISINEDLSWTSWTAADTVQITQYRQEAEERTYLEGCECEILLRRLYENKETLQ 180  
Db 145 KDVIAKEDLRSWTSWTAADTVQITQYRQEAEERTYLEGCECEILLRRLYENKETLQ 204

Qy 181 RADPPKAHVAAHHPISDHEATLRCWALGFYPAEITLTWQDGBEQQDTELVETRAGDT 240  
Db 205 RTDAPKTHMTHAVASHEATLRCWALGFYPAEITLTWQDGEDQDTELVETRAGDT 264

Qy 241 FQKWAAVVVPSGEBCRTCHVQHEGLPQPLILRW 274  
Db 265 FQKWAAVVVPSGEBCRTCHVQHEGLPQPLILRW 298

RESULT 7  
US-08-652-265-23  
/ Sequence 23, Application US/08652265  
/ Patent No. 6025130

GENERAL INFORMATION:  
/ APPLICANT: Thomas S. Winston J.  
/ APPLICANT: Drayna, Dennis T.  
/ APPLICANT: Feder, John N.  
/ APPLICANT: Guirke, Andreas  
/ APPLICANT: Ruddy, David  
/ APPLICANT: Tsuchihashi, Zenta  
/ APPLICANT: Wolff, Roger K.  
TITLE OF INVENTION: Hereditary Hemochromatosis Gene  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
ZIP: 94111-3834

COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/652,265  
FILING DATE: 23-MAY-1996  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M.  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 17957-000500  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 365 amino acids  
TYPE: amino acid  
STRANDBEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: Protein  
FEATURE: Protein  
NAME/KEY: Protein

LOCATION: 1..365  
/ OTHER INFORMATION: /note= "Human Major Histocompatibility Class I (MHC) protein."  
/ OTHER INFORMATION: CLASS I (MHC) protein.  
US-08-652-23

Query Match 77.1%; Score 1154; DB 2; Length 365;  
Best Local Similarity 77.0%; Pred. No. 1.7e-104;  
Matches 211; Conservative 21; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDQFLRFDSDAIIPRMPBPRPVMVBQGPQYW 60  
25 GSHSRPYFPTSVSPGRGEPYIAVEYVDDQFLRFDSDAIIPRMPBPRPVMVBQGPQYW 84

61 EWTGTYAKANQTDRTVALRNLRLRYNOSEAGSHTLQGMNGCDMGPGRLLRGTHOAYDG 120  
61 EWTGTYAKANQTDRTVALRNLRLRYNOSEAGSHTLQGMNGCDMGPGRLLRGTHOAYDG 120  
Db 85 DGETRKVKAHSQTHRVLDSLSTURGYNQSEAGSHTVORMFGDVGSDGRFRLRGTHOAYDG 144

Qy 121 KDVISINEDLSWTSWTAADTVQITQYRQEAEERTYLEGCECEILLRRLYENKETLQ 180  
121 KDVISINEDLSWTSWTAADTVQITQYRQEAEERTYLEGCECEILLRRLYENKETLQ 180  
Db 145 KDVIAKEDLRSWTSWTAADTVQITQYRQEAEERTYLEGCECEILLRRLYENKETLQ 204  
145 KDVIAKEDLRSWTSWTAADTVQITQYRQEAEERTYLEGCECEILLRRLYENKETLQ 204

Qy 181 RADPPKAHVAAHHPISDHEATLRCWALGFYPAEITLTWQDGBEQQDTELVETRAGDT 240  
181 RADPPKAHVAAHHPISDHEATLRCWALGFYPAEITLTWQDGBEQQDTELVETRAGDT 240  
Db 205 RTDAPKTHMTHAVASHEATLRCWALGFYPAEITLTWQDGEDQDTELVETRAGDT 264  
205 RTDAPKTHMTHAVASHEATLRCWALGFYPAEITLTWQDGEDQDTELVETRAGDT 264

Qy 241 FQKWAAVVVPSGEBCRTCHVQHEGLPQPLILRW 274  
241 FQKWAAVVVPSGEBCRTCHVQHEGLPQPLILRW 274  
Db 265 FQKWAAVVVPSGEBCRTCHVQHEGLPQPLILRW 298  
Db 265 FQKWAAVVVPSGEBCRTCHVQHEGLPQPLILRW 298

RESULT 8  
US-08-834-497A-23  
/ Sequence 23, Application US/08834497A  
/ Patent No. 6140305

GENERAL INFORMATION:  
/ APPLICANT: Thomas, Winston J.  
/ APPLICANT: Drayna, Dennis T.  
/ APPLICANT: Feder, John N.  
/ APPLICANT: Guirke, Andreas  
/ APPLICANT: Ruddy, David  
/ APPLICANT: Tsuchihashi, Zenta  
/ APPLICANT: Wolff, Roger K.  
TITLE OF INVENTION: HEREDITARY HEMOCHROMATOSIS GENE PRODUCTS  
NUMBER OF SEQUENCES: 76  
CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Pennie & Edmonds LLP  
/ STREET: 1155 Avenue of the Americas  
/ CITY: New York  
/ STATE: New York  
/ COUNTRY: USA  
/ ZIP: 10036-2811  
COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: Windows 95  
/ SOFTWARE: FastSeq for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/834,497A  
/ FILING DATE: 04-APR-1997  
/ CLASSIFICATION: 514  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 08/652,265  
/ FILING DATE: 23-MAY-1996  
/ CLASSIFICATION: 514  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 08/632,673  
/ FILING DATE: 16-APR-1996  
/ CLASSIFICATION: 514  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 08/630,912  
/ FILING DATE: 04-APR-1996  
/ CLASSIFICATION: 514  
/ ATTORNEY/AGENT INFORMATION:  
/

NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28 462  
 REFERENCE/DOCKET NUMBER: 8907-0056-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-493-4935  
 TELEFAX: 650-93-5556  
 TELEX: 66141 BENNIE  
 INFORMATION FOR SEQ ID NO: 23:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: 23  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..365  
 OTHER INFORMATION: /note= "Human Major Histocompatibility  
 protein"  
 OTHER INFORMATION: Class I (MHC) protein"  
 US-08-834-497A-23

Query Match 77.1%; Score 1154; DB 2; Length 365;  
 Best Local Similarity 77.0%; Pred. No. 1..7e-104;  
 Matches 211; Conservative 21; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYSTAVSRPGRGPRYIAVEYDDTQFLRFDSAAIPRMERPREPNEVQEFGQYW 60  
 Db 25 GSHSMRIFTPSVRPGRGPRFIAVGTVDDTQFRPDSAAIPRMERPREPNEVQEFGQYW 84

Qy 61 EWTGTYAKANAQTDVRLRNLLRRYNOSEAGSHTLQGNGCDMGPGRLLRGYHQAYDG 120  
 Db 85 DGETTRKVAHSQTHRVDTGTRGTYQNSSEAGSHTLQMGFGCDVGSWKRFLRGYHQAYDG 144

Qy 121 KDVISNEDLRSWTAADTVQITQRFYTAEEPTYLEECECLLRLTLENGKTLQ 180  
 Db 145 KDVIALKEDLRSWTAADMAQTQTKRVEAAQRLRAYLBTCTVWLLRLTLENGKTLQ 204

Qy 181 RADPPKRAVAKHPISDHEATLRCWALGFYQPARTLTWQDRGEQTDTTELVTRPAGDGT 240  
 Db 205 RTDAPKTHMTHAVSDHEATLRCWALSFYPAITLTWQDRGEDQTDTTELVTRPAGDGT 264

Qy 241 FQKWAAYVVPSSGEQRTCHVQHEGLPQLLIRW 274  
 Db 265 FQKWAAYVVPSSQEBQRTCHVQHEGLPQLLIRW 298

RESULT 9  
 US-08-370-476-100  
 Sequence 100, Application US/08370476  
 Patent No. 6153408  
 GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Abastado, Jean-Pierre  
 APPLICANT: Kourilsky, Phillippe  
 APPLICANT: Oicius, David  
 APPLICANT: Casrouge, Armande  
 TITLE OF INVENTION: Altered Major Histocompatibility Complex  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunn  
 ADDRESSER: Dunn  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Parent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:

COUNTRY: USA  
 ZIP: 10036  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: Windows 95  
 SOFTWARE: WordPerfect Version 8  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/503,444A  
 FILING DATE: 14-Feb-2000  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/652,265  
 FILING DATE: 23-May-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/632,673  
 FILING DATE: 16-Apr-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/630,912  
 FILING DATE: 04-Apr-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 PRIORITY/DOCKET NUMBER: 8907-0088-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-869-9090  
 TELEFAX: 212-869-9741  
 INFORMATION FOR SEQ ID NO: 23:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: Linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..365  
 OTHER INFORMATION: /note= "Human Major Histocompatibility  
 OTHER INFORMATION: Class I (MHC) protein"  
 US-09-503-44A-23

Query Match 77.1%; Score 1154; DB 2; Length 365;  
 Best Local Similarity 77.0%; Pred. No. 1.7e-104;  
 Matches 211; Conservative 21; Mismatches 42; Indels 0; Gaps 0;

Query 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAIPRMEPREPWEQGPQYW 60  
 Db 25 GSHSLRYFPTTSRPGGEPFIAVYVDDTQFLRFDSDAIPRMEPREPWEQGPQYW 84

Query 61 EWTGTYAKANQTDVRLRNLRRYNOSEAGSHTLQGMNGCDMGPDRGLRGYHQAQYDG 120  
 Db 145 KDYIAKEDLRSWTAADMAQTTKHKWEAHVAEQLRAYLEGTCVEWLRLYENKETLQ 204

Query 181 RADPKAHVHHPISDHEATLRCWAQGPFAEITLTWQDGEEQTDTELVETRAGDT 240  
 Db 205 RTDAPKTHMTHAVSDHEATLRCWAISYPAEITLTWQDGEQTDTELVETRAGDT 264

Query 241 FQKWAQVVPSGEEQDRTCHVQHEGLPQLLRLW 274  
 Db 265 FQKWAQVVPSGQEEQDRTCHVQHEGLPKPLRLW 298

RESULT 12  
 US-08-484-905-99

Sequence 99, Application US/08484905  
 Patent No. 5976551

GENERAL INFORMATION:

APPLICANT: Martez, Estelle

APPLICANT: Abastado, Jean-Pierre

APPLICANT: Kourilsky, Philippe

TITLE OF INVENTION: An Altered Major Histocompatibility

TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the

NUMBER OF SEQUENCES: 127

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farbow, Garrett &

STREET: 1300 I Street, N.W., Suite 700

CITY: Washington

STATE: D.C.

ZIP: 20005-3315

COMPUTER READABLE FORM:

EDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS-MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/484,905

FLILING DATE: 07-JUNE-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/801,818

FILING DATE: 05-DEC-1991

Query Match 77.1%; Score 1153; DB 2; Length 341;  
 Best Local Similarity 76.6%; Pred. No. 2e-104;  
 Matches 210; Conservative 22; Mismatches 42; Indels 0; Gaps 0;  
 Query 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAIPRMEPREPWEQGPQYW 60  
 Db 1 GSHSLRYFPTTSRPGGEPFIAVYVDDTQFLRFDSDAIPRMEPREPWEQGPQYW 60  
 Query 61 EWTGTYAKANQTDVRLRNLRRYNOSEAGSHTLQGMNGCDMGPDRGLRGYHQAQYDG 120  
 Db 61 DGETRKYKHSQTHVQDGLTGLRGYHQAQYDG 120  
 Query 121 KDYIAKEDLRSWTAADMAQTTKHKWEAHVAEQLRAYLEGTCVEWLRLYENKETLQ 180  
 Db 121 KDYIAKEDLRSWTAADMAQTTKHKWEAHVAEQLRAYLEGTCVEWLRLYENKETLQ 180  
 Query 181 RADPKAHVHHPISDHEATLRCWAQGPFAEITLTWQDGEEQTDTELVETRAGDT 240  
 Db 181 RTDAPKTHMTHAVSDHEATLRCWAISYPAEITLTWQDGEQTDTELVETRAGDT 240  
 Query 241 FQKWAQVVPSGEEQDRTCHVQHEGLPQLLRLW 274  
 Db 241 FQKWAQVVPSGQEEQDRTCHVQHEGLPKPLRLW 298

CLASSIFICATION: 530  
 PRIORITY APPLICATION DATA: US 07/792,473  
 FILING DATE: 15-NOV-1991.  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Potter, Jane E. R.  
 REFERENCE/DOCKET NUMBER: 03495.0106-03000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 99:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: Peptide  
 US-08-484-905-99

Query Match 76.9%; Score 1151; DB 1; Length 365;  
 Best Local Similarity 76.3%; Pred. No. 3. 4e-104;  
 Matches 209; Conservative 23; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRYTAEVYDDTFLRFDSAAIPRMERPREPNEVQEGPOYW 60  
 Db 25 GSHSMRYPFTSVPGRGEPRFIAVGTVDDTQEVRFDSAAASQRMEPRAPMTEQEGPEYW 84

Qy 61 EWTTCYAKANAAQTDRLVALRNLLRYYNOSSEAGSHTLQCMNGCDMGPDRLLGQHAYDG 120  
 Db 85 DGETRKYKAHSQTHVDSLTLRYYNQSEAGSHTVQRMYGDVGSDGFLRGYHQHAYDG 144

Qy 121 KDIYISLNEDLRSWTAADTVQATQQTQRFYEAEEPTTYLBBECLLRLRLYENGETLQ 180  
 Db 145 KDIYALKEDLRSWTAADMAAQTTKHWMAEAEQRAYLEGTCVEMRLRLYENGETLQ 204

Qy 181 RADPPKAHVAHHPISDEHATLRCWALGQYPAIBITLWQDGEETQDTELYETRPAQDG 240  
 Db 205 RTDAPKTHMTHAHSDEHATLRCWALSFYPAIBITLWQDGDQDQDTELYETRPAQDG 264

Qy 241 FQKWAAYVVPSCBEGORYTCHYQHeglPOPLILRW 274  
 Db 265 FQKWAAYVVPSCBEGORYTCHYQHeglPKPLTLRW 298

RESULT 13  
 Sequence 104, Application US/08484905  
 Patent No. 5976551  
 GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Kourilsky, Philippe  
 TITLE OF INVENTION: An Altered Major Histocompatibility Complex  
 TITLE OF INVENTION: Complex (MHC) Determinant and Methods for Using the  
 NUMBER OF SEQUENCES: 127  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEES: Finnegan, Henderson, Farabow, Garrett &  
 ADDRESSEES: Dunner  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy Disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patient In Release #1.0, Version #1.25  
 CURRENT APPLICATION NUMBER: US/08/484,905  
 FILING DATE: 07-JUNE-1995  
 CLASSIFICATION: 530

PRIOR APPLICATION DATA: US 07/801,818  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-OCT-1991  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Potter, Jane E. R.  
 REGISTRATION NUMBER: 33,332  
 REFERENCE/DOCKET NUMBER: 03495.0106-03000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 104:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: Peptide  
 US-08-484-905-104

Query Match 76.9%; Score 1151; DB 1; Length 365;  
 Best Local Similarity 76.3%; Pred. No. 3. 4e-104;  
 Matches 209; Conservative 22; Mismatches 43; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPRYTAEVYDDTFLRFDSAAIPRMERPREPNEVQEGPOYW 60  
 Db 25 GSHSMRYPFTSVPGRGEPRFIAVGTVDDTQEVRFDSAAASQRMEPRAPMTEQEGPEYW 84

Qy 61 EWTTCYAKANAAQTDRLVALRNLLRYYNOSSEAGSHTLQCMNGCDMGPDRLLGQHAYDG 120  
 Db 85 DGETRKYKAHSQTHVDSLTLRYYNQSEAGSHTVQRMYGDVGSDGFLRGYHQHAYDG 144

Qy 121 KDIYISLNEDLRSWTAADTVQATQQTQRFYEAEEPTTYLBBECLLRLRLYENGETLQ 180  
 Db 145 KDIYALKEDLRSWTAADMAAQTTKHWMAEAEQRAYLEGTCVEMRLRLYENGETLQ 204

Qy 181 RADPPKAHVAHHPISDEHATLRCWALGQYPAIBITLWQDGEETQDTELYETRPAQDG 240  
 Db 205 RTDAPKTHMTHAHSDEHATLRCWALSFYPAIBITLWQDGDQDTELYETRPAQDG 264

Qy 241 FQKWAAYVVPSCBEGORYTCHYQHeglPOPLILRW 274  
 Db 265 FQKWAAYVVPSCBEGORYTCHYQHeglPKPLTLRW 298

RESULT 14  
 Sequence 99, Application US/08481985B  
 Patent No. 601146  
 GENERAL INFORMATION:  
 APPLICANT: Mottez, Estelle  
 APPLICANT: Anastado, Jean-Pierre  
 APPLICANT: Kourilsky, Philippe  
 ADDRESSER: Finnegan, Henderson, Farabow, Garrett &  
 STREET: 1300 I Street, N.W., Suite 700  
 CITY: Washington  
 STATE: D.C.  
 ZIP: 20005-3315  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy Disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patient In Release #1.0, Version #1.25  
 CURRENT APPLICATION NUMBER: US/08/481,985B  
 FILING DATE: 07-JUNE-1995  
 CLASSIFICATION: 530

FILING DATE: 07-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/801,818  
 FILING DATE: 05-DEC-1991  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/792,473  
 FILING DATE: 15-NOV-1991  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meyers, Kenneth J.  
 REGISTRATION NUMBER: 25,146  
 REFERENCE/DOCKET NUMBER: 03495.0106-04000  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-408-4000  
 TELEFAX: 202-408-4400  
 INFORMATION FOR SEQ ID NO: 99:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 365 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-481-985B-99

Query Match 76.9%; Score 1151; DB 2; Length 365;

Best Local Similarity 76.3%; Pred. No. 3.4e-104;  
 Matches 209; Conservative 23; Mismatches 42; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPYIAYEVYDQTLQELPFDSDAAIPRMEPRPWEEQGPQYW 60  
 Db 25 GSHSMRYFTSVSPRGEPFPIAYGVDDTQYRFDSDASQRNEPRAPWIEQGPYW 84  
 Qy 61 EWTGTYAKANIQDTRVALRNLLRRLSTGRYTNQSEASCHTQLOGMNGCDMGPDGRLLRGYHAYDG 120  
 Db 85 DGETTRKVAHSQTHVLDLSTGRYTNQSEASCHTQLOGMNGCDMGPDGRLLRGYHAYDG 144  
 Qy 121 KDIYISLNEDLSRWTADTVQITQFRTYLEGCECLELLRRLYLENGKETLQ 180  
 Db 145 KDIYALKEDLSRWTADMAQTTHKWTAAEORAYLEGTCYEWRLRRLYLENGKETLQ 204  
 Qy 181 RADPPKAHVHPISDHEATLRCWAIGFYPAEITLWQDGEETQDTTELVETPAGDT 240  
 Db 205 RTDAPKTHMTHAVSDHEATLRCWAISPYPAEITLWQDGEDQDTTELVETPAGDT 264  
 Qy 241 FQKWAAYVVPSGEEQRTYCHVQHEGLPQLLWR 274  
 Db 265 FQKWAAYVVPSGEEQRTYCHVQHEGLPQLLWR 298

RESULT 15  
 US-08-481-985B-104

; Sequence 104, Application US/08481985B  
 ; Patient No. 601146

; GENERAL INFORMATION:

; APPLICANT: Mottez, Estelle

; APPLICANT: Abastado, Jean-Pierre

; APPLICANT: Kourilsky, Philippe

; TITLE OF INVENTION: Altered Major Histocompatibility Complex

; NUMBER OF SEQUENCES: 148

; CORRESPONDENCE ADDRESS:

; ADDRESS: Finnegan, Henderson, Farabow, Garrett &

; ADDRESSEE: Dunner

; STREET: 1300 I Street, N.W., Suite 700

; CITY: Washington

; STATE: D.C.

; ZIP: 20004-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

Query Match 76.9%; Score 1151; DB 2; Length 365;  
 Best Local Similarity 76.3%; Pred. No. 3.4e-104;  
 Matches 209; Conservative 22; Mismatches 43; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPYIAYEVYDQTLQFIRFDSDAAIPRMEPRPWEEQGPQYW 60

Db 25 GSHSMRYFTSVSPRGEPFPIAYGVDDTQYRFDSDASQRNEPRAPWIEQGPYW 84

Qy 61 EWTGTYAKANIQDTRVALRNLLRRLSTGRYTNQSEASCHTQLOGMNGCDMGPDGRLLRGYHAYDG 120

Db 85 DFTNTVKRAQSQTDEVLSLSTLRGTYNQSEASCHTQMMYGCDVGDGRFRGTYRDAYDG 144

Qy 121 KDIYISLNEDLSRWTADTVQITQFRTYLEGCECLELLRRLYLENGKETLQ 180

Db 145 KDIYALKEDLSRWTADMAQTTHKWTAAEORAYLEGTCYEWRLRRLYLENGKETLQ 204

Qy 181 RADPPKAHVHPISDHEATLRCWAIGFYPAEITLWQDGEETQDTTELVETPAGDT 240

Db 205 RTDAPKTHMTHAVSDHEATLRCWAISPYPAEITLWQDGEDQDTTELVETPAGDT 264

Qy 241 FQKWAAYVVPSGEEQRTYCHVQHEGLPQLLWR 274

Db 265 FQKWAAYVVPSGEEQRTYCHVQHEGLPQLLWR 298

Search completed: April 7, 2006, 12:41:55  
 Job time : 28.0458 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on: April 7, 2006, 13:01:26 ; Search time 12.557 Seconds

(without alignment)

680.625 Million cell updates/sec

Title: US-09-819-371-5

Perfect score: 1496

Sequence: 1 GSHSLRYFSTAVSRPGRGEP.....QRTCHVQHEGLPQQLRLW 274

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 184161 seqs, 31191982 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Database : Published\_Applications\_AA\_New:\*

1: /SIDSS5/ptodata/1/pubpa/us06\_new\_pub.pep:\*

2: /SIDSS5/ptodata/1/pubpa/us06\_new\_pub.pep:\*

3: /SIDSS5/ptodata/1/pubpa/us07\_new\_pub.pep:\*

4: /SIDSS5/ptodata/1/pubpa/us07\_new\_pub.pep:\*

5: /SIDSS5/ptodata/1/pubpa/us09\_new\_pub.pep:\*

6: /SIDSS5/ptodata/1/pubpa/us10\_new\_pub.pep:\*

7: /SIDSS5/ptodata/1/pubpa/us11\_new\_pub.pep:\*

8: /SIDSS5/ptodata/1/pubpa/us60\_new\_pub.pep:\*

RESULT 1  
US-09-819-371-5

; Sequence 1565, Application US/108212334

; GENERAL INFORMATION:

; Publication No. US2005025514A1

; APPLICANT: Labat, Ivan

; ATTACHMENT: Stache-Crain, Birgit

; APPLICANT: Andarmani, Susan

; APPLICANT: Tang, Y. Tom

; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

; FILE REFERENCE: 821A

; CURRENT APPLICATION NUMBER: US 10/821,234

; PRIORITY APPLICATION NUMBER: US 60/462,047

; PRIOR FILING DATE: 2004-04-07

; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: pl\_seq\_Genes Version 1.0

; SEQ ID NO 1565

; LENGTH: 338

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-10-821-234-1565

Summary

Description

Query Match 79.1%; Score 1184; DB 6; Length 338;

Best Local Similarity 78.8%; Pred. No. 7.1e-93; Mismatches 22; Missmatches 36; Indels 0; Gaps 0;

Matchers 216; Conservative 216;

1 GHSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSDAIPRMEPRPMVEQEGPQWY 60

25 GHSHSLRYFSTAVSRPGRGEPRYIAVEYVDDTQFLRFDSDAIPRMEPRPMVEQEGPQWY 84

61 EWTGTYAKANQTDVVALNLLRNRNQSEASHTIQMNGCDMGDGRLLRGYHQHAYDS 120

85 EETRTNTKALQTDVMLNQLTQTRGYNQSEASHTIQMNGCDMGDGRLLRGYQAYDG 144

121 KDYISLINEDRSWTAADTVQITQFRTYEAEFYAAEPRFTYLEGECIPLLRLYLENGKETLQ 180

145 KDYLALNEDRSWTAADTAQISKXCEANAVQRAYLEGTCWHLRYLENGKEMLQ 204

181 RADPPKRYAHHRPISDHATLRCWALGFYPAIBILTWODSECTODTLEVTRPAGDT 240

205 RADPPKTHVTHHPDVBYATLRCWALGFYPAIBILTWODSEQDQDVLELVTTRPAGDT 264

241 FQKWAAYVPSGERYDRTCHVQHEGLPQPLILRW 274

265 FQKWAAYVPSGERYDRTCHVQHEGLPQPLILRW 298

## ALIGNMENTS

Sequence 356, App

Sequence 360, App

Sequence 38, Appl

Sequence 372, App

Sequence 361, App

Sequence 116, App

Sequence 329, App

Sequence 358, App

Sequence 328, App

Sequence 330, App

Sequence 86, Appl

Sequence 374, App

Sequence 121, App

Sequence 111, App

Sequence 353, App

Sequence 327, App

Sequence 305, App

Sequence 30, App

Sequence 376, App

Sequence 183, App

Sequence 237, App

Sequence 258, App

Sequence 266, App

Sequence 295, App

Sequence 29, App

Sequence 10.9, App

Sequence 161, App

Sequence 159, App

Sequence 157, App

Sequence 155, App

Sequence 156, App

Sequence 154, App

RESULT 2  
 US-10-995-805-4  
 ; Sequence 4, Application US/10995805  
 ; Publication No. US20050287631A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KROENKE, MARTIN  
 ; APPLICANT: ZAVAZAVA, NICHOLAS  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO A DIMERIC MHC CLASS FILE REFERENCE: IOWA:054US  
 ; CURRENT FILING DATE: 2004-11-23  
 ; PRIOR APPLICATION NUMBER: 60/524,988  
 ; PRIORITY FILING DATE: 2003-11-25  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SEQ ID NO: 4  
 ; LENGTH: 530  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-995-805-4

Query Match Score 1153; DB 6; Length 530;

Best Local Similarity 76.6%; Pred. No. 5e-90; Indels 0; Gaps 0;

Matches 210; Conservative 25; Mismatches 39; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAIPRMEPREPWPVQEGPQYW 60

Db 25 GSHSMYFPTVSRSRGRGEPYIAVEYVDDTQFLRFDSDAIPRMEPREPWPVQEGPQYW 60

Qy 61 EWTGYAKANQTDVALNLLRRLRNYNQSEAGSHTLQGMNGCDMGPGRLLRGYHAYDG 120

Db 85 DETRVKAHQSTQPNRANGLTRGTYQNSBQSGSHTLQIMYGSDVGSIDGRFLRGYRDAYDG 144

Qy 121 KDYISLINEQDLSWTAADTVQITQFYEAEFRYLEGECLLRLRYLENGKETLQ 180

Db 145 KDYIALENDLRSWTAADMAAQITKRWARRAEQLRALLEGECTVGLRLRYLENGKETLQ 204

Qy 181 RADPPKAHVARHPISDHEATLRCWALGFYPAEITLWORGEBOQDTTELVEVTRPAGDT 240

Db 205 RTDAPPKTHMTHPISDHEATLRCWALSFYPAEITLWORGEBOQDTTELVEVTRPAGDT 264

Qy 241 FQKWAAYVVPSGEEQRTCHVQHEGLPQLILRW 274

Db 265 FQKWAAYVVPSGEEQRTCHVQHEGLPQLILRW 298

RESULT 4

US-10-821-234-1563

; Sequence 156, Application US/10821234

; Publication No. US20050255114A1

; GENERAL INFORMATION:

; APPLICANT: Labat, Ivan

; APPLICANT: Stache-Crain, Birgit

; APPLICANT: Andarmani, Susan

; APPLICANT: Tang, Y. Tom

; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

; FILE REFERENCE: 821A

; CURRENT APPLICATION NUMBER: US/10/821,234

; PRIORITY FILING DATE: 2004-04-07

; PRIOR APPLICATION NUMBER: US 60/462,047

; PRIOR FILING DATE: 2003-04-07

; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: pt\_seq\_genes Version 1.0

; SEQ ID NO: 1563

; LENGTH: 358

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-821-234-1563

Query Match Score 1097; DB 6; Length 358;  
 Best Local Similarity 73.4%; Pred. No. 1.e-85;  
 Matches 201; Conservative 24; Mismatches 49; Indels 0; Gaps 0;

Qy 1 GSHSLRYFSTAVSRPGRGEPYIAVEYVDDTQFLRFDSDAIPRMEPREPWPVQEGPQYW 60

Db 22 GSHSMYFPTVSRSRGRGEPYIAVEYVDDTQFLRFDSDAIPRMEPREPWPVQEGPQYW 60

Qy 61 EWTGYAKANQTDVALNLLRRLRNYNQSEAGSHTLQGMNGCDMGPGRLLRGYHAYDG 120

Db 82 DRETRASDQAIFVNLRLRQYQSEAGSHTLQWMHRCELGDRRFLRGYEPAYDG 141

; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

; FILE REFERENCE: 821A

; CURRENT APPLICATION NUMBER: US/10/821,234

; PRIORITY FILING DATE: 2004-04-07

; PRIOR APPLICATION NUMBER: US 60/462,047

; PRIOR FILING DATE: 2003-04-07

; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: pt\_seq\_genes Version 1.0

; LENGTH: 365

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-821-234-1575

RESULT 3

US-10-821-234-1575

; Sequence 157, Application US/10821234

; Publication No. US20050255114A1

; GENERAL INFORMATION:

; APPLICANT: Labat, Ivan

; APPLICANT: Stache-Crain, Birgit

; APPLICANT: Andarmani, Susan

; APPLICANT: Tang, Y. Tom

; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

; FILE REFERENCE: 821A

; CURRENT APPLICATION NUMBER: US/10/821,234

; PRIORITY FILING DATE: 2004-04-07

; PRIOR APPLICATION NUMBER: US 60/462,047

; PRIOR FILING DATE: 2003-04-07

; NUMBER OF SEQ ID NOS: 1704

; SOFTWARE: pt\_seq\_genes Version 1.0

; LENGTH: 365

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-821-234-1575

Query Match Score 1150; DB 6; Length 365;

Best Local Similarity 76.6%; Pred. No. 5.e-90; Indels 0; Gaps 0;

Matches 210; Conservative 22; Mismatches 42; Indels 0; Gaps 0;

RESULT 5

US-10-995-805-2

; Sequence 2, Application US/10995805

```

; PRIORITY APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 3648
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3648

Query Match 55.6%; Score 832
Best Local Similarity 81.5%; Pred. No.
Matches 150; Conservative 13; Mismat 1

Qy  91  GSHTLQGMNGCDMGPDGRLRLGRYHQHAYDDE
Db  61  GSHTLQWMICDLDGSDRGLRLGRYEQTAYDDE

Qy  151  EYAEFPRTIIGBCBELLRLYLENGKETLQ
Db  121  NVAEQRAYEFGTCYEWLRLYLENGKEML

Qy  211  AEITLTWORGEETQDTEVLTTRPAGDGG
Db  181  AEITLTWQRDGEDQTQDVELVETTRPAGDGG

Qy  271  ILRW 274
Db  241  MLRW 244

RESULT 7
US-11-072-512-1978
; sequence 1978, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZURO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKI, ICHIRO
; APPLICANT: SEKI, NACHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084135-0191
; CURRENT APPLICATION NUMBER: US/11/072, 511
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1978

Length: 209
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-1978

Query Match 31.6%; Score 472
Best Local Similarity 47.3%; Pred. No.
Matches 105; Conservative 15;
APPLICANT: 105;
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084135-0191
; CURRENT APPLICATION NUMBER: US/11/072, 511
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1978

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Qy 52 VEQEGPOWENTGYAKANANACTDVALRNLLRYYNOSEAGSHTLGOMNGCDMGPDRLLR 111  
 :  
 Db 1 MEREGPFWDANTQICKAQAFTERENLARYYNONSEGGSHTMQMYGCDVGPDRFLC 60  
 Qy 112 GYHOAYDCKDXYISLNEDLSWTAADTVQITQTYEAEYEFRTYLEGCECELLRY 171  
 :  
 Db 61 GYEQHAYDGDYIAALNEDLSWTAADMAQTLKRWMAAQRVYLLGEFVWLRY 120  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 85702  
 ; LENGTH: 649  
 Qy 172 LENGKETLQRADPPKHAHHPISDHATURCWALGFYPAEITLTWQRDGEBOQDTELV 231  
 :  
 Db 121 LENGKETLQRAGTR---GHRAPPGPVDSLQWP----- 150  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-995-561-649

Qy 232 ETRPAGDTFQKWAAYVPSGEQRTCHYQHeglPQPLILR 273  
 :  
 Db 151 ---PTRKG---DRWD-----OHYNIALPVLR 171  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-177-506-52

RESULT 8  
 ; Sequence 52, Application US/11177506  
 ; Publication No. US0060029956A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Beyer, Wayne F.  
 ; APPLICANT: Venetta, Thomas M.  
 ; APPLICANT: Graeuke, John W.  
 ; APPLICANT: Blaeusius, Rainier H.  
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE  
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE  
 ; FILE REFERENCE: 46143/294851  
 ; CURRENT APPLICATION NUMBER: US/11/177,506  
 ; CURRENT FILING DATE: 2005-07-08  
 ; PRIOR APPLICATION NUMBER: 2004-07-09  
 ; NUMBER OF SEQ ID NOS: 52  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 52  
 ; LENGTH: 295  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-177-506-52

Query Match 31.3%; Score 468; DB 7; Length 295;  
 Best Local Similarity 36.6%; Pred. No. 2.3e-31;  
 Matches 101; Conservative 48; Mismatches 119; Indels 8; Gaps 6;  
 Qy 1 GSHSLRYFSTAVSRPGRGEPEPYIAVEYDDTQFLRFDSDAAIPRMFPREPWFQGPQW 60  
 :  
 Db 23 GRYSLTYITGLSKHVEDPAFAQLSLNDIQFFRYSNDR-KSQPMGMLRQVGMEDW 80  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 85702  
 ; LENGTH: 295

RESULT 9  
 ; Sequence 9, Application US/10955561  
 ; Publication No. US20050272054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 US-10-995-561-649

Qy 2 SHSLRYFSTAVSRPGRGEPEPYIAVEYDDTQFLRFDSDAAIPRMFPREPWFQGPQW 60  
 :  
 Db 27 SHSLRYLFGMASEQDGLSFEALGVDVFFDHSR-RVFPRTPWSRSSLSSQWW 84  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 85702  
 ; LENGTH: 348;  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-252-452-2

RESULT 10  
 ; Sequence 2, Application US/11252452  
 ; Publication No. US2006005106A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rothenberg et al.  
 ; TITLE OF INVENTION: Mutations associated with iron disorders  
 ; FILE REFERENCE: 24065-004 CON2  
 ; CURRENT APPLICATION NUMBER: US/11/252,452  
 ; CURRENT FILING DATE: 2005-10-18  
 ; PRIOR APPLICATION NUMBER: 09/981,606  
 ; PRIOR FILING DATE: 2001-10-16  
 ; PRIOR APPLICATION NUMBER: 09/277,457  
 ; PRIOR FILING DATE: 1999-05-26  
 ; NUMBER OF SEQ ID NOS: 30  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO: 2  
 ; LENGTH: 348  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-252-452-2

Query Match 30.5%; Score 456; DB 7; Length 348;  
 Best Local Similarity 38.1%; Pred. No. 3e-31;  
 Matches 106; Conservative 41; Mismatches 119; Indels 12; Gaps 8;  
 Qy 2 SHSLRYFSTAVSRPGRGEPEPYIAVEYDDTQFLRFDSDAAIPRMFPREPWFQGPQW 60  
 :  
 Db 27 SHSLRYLFGMASEQDGLSFEALGVDVFFDHSR-RVFPRTPWSRSSLSSQWW 84  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 85702  
 ; LENGTH: 348;  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-11-252-452-2

Qy	121	KDYS1SLNED1RSWPAADTVQAQTORFYEALEY - AEEFRTYLEGECECLLRLYENGKETL	179
Qy	143	QDHLEFPCPD1LDWRAEPAWPTKLEWERHKIRARQNPAYLERDCPQLQJELGRGV1	202
Db	180	QRADPCKAHYAHPT1SDHEATLRCWALGTPAET1LWQDGRQETQDTELYVTR -- PA	236
Db	203	DQVQPLVTKTHH - VTISSVTLRLRALLYTQNTTMKWLKD - KQPMDAKSFEPKDVLN	259
Qy	237	GDGTQKWAAYVVPSGEORYTQTCVQHEGLPQPLILRW	274
Qy	260	GDGTQGWITLAVPGEBORYTQCVEHPCDQPLIVW	297
Db	261		
RESULT	11		
	US-10-999-561-652		
	; Sequence 652, Application US/10995561		
	; Publication No. US20050272054A1		
	; GENERAL INFORMATION:		
	; APPLICANT: CARGILL, Michelle et al.		
	; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH		
	; CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF		
	; DETECTION AND USES THEREOF		
	; FILE REFERENCE: CL001559		
	; CURRENT APPLICATION NUMBER: US/10/995,561		
	; CURRENT FILING DATE: 2004-11-24		
	; NUMBER OF SEQ ID NOS: 85702		
	; SOFTWARE: Fast-SEQ for Windows Version 4.0		
	; SEQ ID NO: 652		
	; LENGTH: 325		
	; TYPE: PRT		
	; ORGANISM: Homo sapiens		
	; 16S rRNA		

Query	Match	Score	Length
Best Local Similarity	29.0%	433.5	325;
Best Local Similarity	37.5%	Pred. No. 2.26-29;	
Matches 103;	Conservative	Mismatches 113;	Indels 17;
5	LRYFSTAVSRPGRGSRPRTIAVETYDQPLRFDDAAIFPRMBRPEPWYQB-SP		
12	LMLIQTAVL-----QGRLLPLGYTDQLFVYDHSR--RVERPTPWYSSRIS		
64	TGYAKANAGATDVRALNLLRRTYNOSEAGSHTLQCMNGCDMGPDGRLLRGYHQA		
65	SQSIKGWDHMPTVDFWTIMENHNSKE-SHTLQVILGCMQEDNS-TEGYWKYG		
124	ISLNEDLRSWTAADTVQQTQRYEAFFY-AEAEFTTYLEGECLLARYLENGK		
123	LEPPDPTDWDRAEPRAWPTKLEMTHCIRARONRAYLERDCEPQLQOLLELGR		
183	DPPKCARVAAHHP1SDHEATLRCWALGFYPAEIIITLWQDGEQQTDLVELTR--		
183	VPPVAKVTTTH-VTPSVTTLRCRANLYVQPNITMKWLKD--KQPMDDAEFEPKD		
240	TFQKWAAVVPSGSBQRVTTCHYQHVEGLQPLTLRW 274		
240	TYQGWTIATVAPPGBQRVTCQVEHPGLDQPLTVW 274		
RESULT	12		
US-10-995-561-658	Sequence 658, Application US/10995561		
	Publication No. US200502272054A1		
GENERAL INFORMATION:			
APPLICANT: CARGILL, Michele et al.			
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH			
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE,			
TITLE OF INVENTION: DETECTION AND USES THEREOF			
FILE REFERENCE: CL001559			
CURRENT APPLICATION NUMBER: US/10/995,561			
CURRENT FILING DATE: 2004-11-24			
NUMBER OF SEQ ID NOS: 85702			
SOFTWARE: Past-SEQ for Windows Version 4.0			
SEQ ID NO 658			

Query Match							
LENGTH: 334							
TYPE: PRT							
ORGANISM: Homo sapiens							
US-10-395-561-658							
Best Local Similarity 28.0%; Score 419; DB 6; Length 334;							
Matches 101; Conservative 39; Mismatches 112; Indels 26; Gaps 8;							
Qy 2 SHSLRYFSTAVSRPGRGSRPRVIAVEYYDQTQFURPDSAAIPRMPREPWPWQE-GQYW 60							
Db 27 SHSLHYLPGASFQDGLISLFRALGYYDDQLEFVYDHSR - -RVEPRTPWSSRRISSQMW 84							
Qy 61 EWTGGYAKANAQTDVRLNRLLRNYNOSEAGSHTLQGMNGCDMGPDQRLRYYHQHYDG 120							
Db 85 LQLQSLSKGWDMFTDWFWTMENHHSKE-SHTLQVILGCEMOEQNS-TESYWKVGYDG 142							
Qy 121 KDIYISLMDLREWTAQDVAQTQFABEY-ABEPRTYLEGEQEBELRLRTYLENGKETL 179							
Db 143 QDHLFECFCDTDLWRAAPRANTKLMERHKTRQRNTRAYLERCDAQLQQLBLRGVVL 202							
Qy 180 QRADPKRAVHAAHPISDHEATLRCWALGTFYPAEITLTWORDGEEQQTDTTELVETR--PA 236							
Db 203 DQ-----QVTLRCRALNYYPONITKWLKD--KQPMDAKEFBSPKDVLPN 245							
Qy 237 GDGTQKWAAYVVPGSEQRYTCVHQHEGLQPLIIRW 274							
Db 246 GDGTQGSMWTLAVPPEGEQRYTCVQHEPGLQPLIIVW 283							

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; Sequence 3304, Application US/11072512
; Publication No. US20060299945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONG, YUDOKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMERCHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOVUKI
; APPLICANT: NAGAHARI, KENSHIO
; APPLICANT: MASTUO, YASUHIKO
; TITLE OF INVENTION: Novel full length
; FILE REFERENCE: 084315-0191
; CURRENT APPLICATION NUMBER: US/11/072
; CURRENT FILING DATE: 2005-03-07
; PRIORITY APPLICATION NUMBER: US 60/350,9
; PRIORITY FILING DATE: 2002-01-25
; PRIORITY APPLICATION NUMBER: JP 2001-379
; PRIORITY FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 3304
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-3304

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